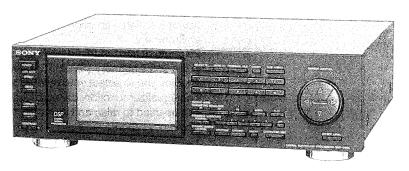
## SDP-D905

## **SERVICE MANUAL**

AEP Model **UK Model** E Model



This set is a Digital Surround Processor block of the Following models. LBT-D905CD

### **SPECIFICATIONS**

Frequency response

2 Hz to 20 kHz  $\pm$  0.5 dB

Total Harmonic Distortion

(with digital input) Less than 0.008%

Signal-to-noise ratio

(with digital input) More than 110 dB

(with digital input)

General

Power requirement

240V AC, 50/60 Hz (UK model)

110V-120V/220-240V AC (E, Saudi Arabia models)

220-230V AC, 50/60 Hz (AEP, Germany, Italian models)

Power consumption

18W (AEP, Germany, Italian, UK models)

AC outlet

19W (E, Saudi Arabia models) 1 unswitched, 100W

**Dimensions** 

Approx.  $355 \times 107 \times 315.5 \text{ mm}$ 

(w/h/d, including projections)

Weight

Approx. 3.6 kg

Supplied accessaries

Audio connecting cords (2)

Optical cord (1)

Design and specifications subject to change without notice.

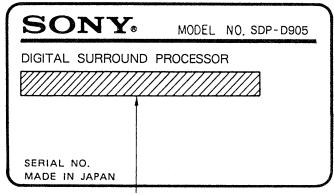


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### MODEL IDENTIFICATION

- Specification Label -



AEP, Germany, Italian models: AC220 - 230V~50/60Hz

UK model: AC240V~50/60Hz

E, Saudi Arabia models : AC110 - 120V/220 - 240V

~50/60Hz

## **Using the Sound Manipulation Features**

This unit is equipped with three sound adjustment functions – an equalizer function, a surround function and a dynamic sound function – for improving the sound in your listening environment.

20 combinations of these three functions are already preset in the unit's memory (SELECT 10 and MORE 10) and this enables you to select your favorite sound field easily. The equalizer function, called Digital Parametric Equalizer, can be used to raise and lower the levels of specific frequency ranges.

The surround function, called Digital Presence Surround, can be matched to the music genre or source to effectively reproduce a feeling of "being there."

The dynamic sound function, called Digital Dynamic Sound, can be used to give a powerful feeling to music when listening at low volume levels and also reduce strident noise. Making full use of these three functions allows you to create a variety of different sounds and effets and to maximize your music listening enjoyment.

## **Using the Sound Manipulation Features**

### **Obtaining Digital Surround Processor Effects**

Press EFFECT so that the indicator is turned on. Digital surround processor effects can not be obtained if the indicator is not turned on.

Compare the results by switching EFFECT on and off. With the indicator turned on, sounds with the processor effects can also be recorded on a tape in a cassette deck.

### Adjusting the Effect Level

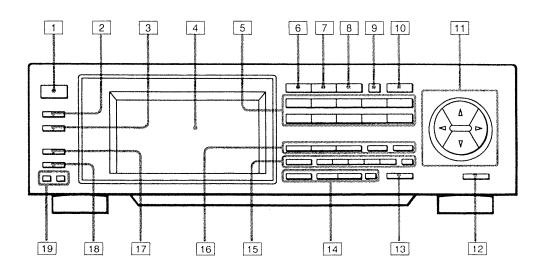
The degree of the processor effects on a selected source can be adjusted within the range of 0% to 100% in 20% intervals.

Press EFFECT LEVEL so that "EFFECT LEVEL" is indicated on the display, and then press ▲/► of the CURSOR CONTROL buttons to increase the effect level or ▼/◄ to decrease it.

## SECTION 1 GENERAL

This section is extracted from instruction manual.

### **Location of Controls**



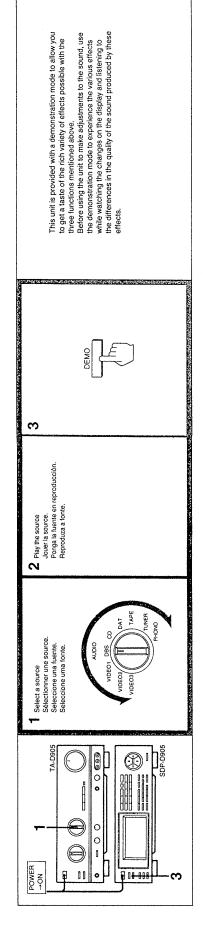
### Refer to the page indicated in .

- 1 POWER switch
- 2 EFFECT button and indicator 10
- 3 DEMO button 🗿
- 4 Display
- 5 Numeric buttons used with SELECT 10/MORE 10/PERSONAL FILE/SUB MENU.
- 6 SELECT 10 button and indicator @
- 7 MORE 10 button and indicator @
- 8 PERSONAL FILE button and indicator @
- 9 MEMORY button @, @
- 10 SUB MENU button @
- 11 CURSOR CONTROL buttons (0), (9), (2)
- 12 EFFECT LEVEL button and indicator 10
- 13 CHARACTER EDIT button and indicator @
- 14 DYNAMIC SOUND buttons
  - CONTROL button and indicator @
  - COMPRESS button @
  - EXPANDER button @
  - LINEAR button @
- 15 PRESENCE SURROUND buttons
  - CONTROL button and indicator @
  - Numeric buttons @
  - OFF button 29
- 16 PARAMETRIC EQUALIZER buttons
  - F1/F2/F3 (frequency) buttons and indicators @
  - SLOPE button 10
  - FLAT button @
- 17 DISPLAY button @
- 18 DIMMER button @
- 19 CONTRAST +/- buttons @

Installation

9

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Demonstration Mode

To stop the demonstration mode Press DEMO again or any button other than the POWER switch.

Arrêt du mode démonstration Appuyer de nouveau sur la touche DEMO ou sur toute autre touche que l'interrupteur d'alimentation POWER.

Para cesar el modo de demostración Vuelva a presionar DEMO o cualquier otra tecla, excepto el interruptor POWER.

Para interromper o modo de demonstração Pressione DEMO novamente ou qualquer outra tecla, excepto POWER. တ

 $\infty$ 

# Using the Sound Manipulation

# **Utilisation des caractéristiques** de manipulation du son

# Empleo de las funciones de manipulación del sonido

## processamento de Características do

### X SELECTIO MENCHANTE Alteração das informações indicadas SPERNA SPERNA SERVE SERV E ပ Cambio de la información visuali BATA EQ SELECTION SERVICES SURROUNT Modification de l'affichage d'informations 8 Nome da combinação pre-programada Name of each sound Nom de chaque son Nombre de cada sonido Miles & Comment of the Comment of th SPECTRUM ANALYZER X SELECTION OF LIMITAL Icon Icône Representación Simbolo Selected function Function sélectionnée Función seleccionada Função seleccionada Changing the Displayed Information DISPLAY ∢`

Each time DISPLAY is pressed, the display changes to show the following information:

- The spectrum analyzer is enlarged. All of the digital surround processor effects are diaplayed. It is convenient to check the processor effects while
  - adjusting sound. The same as the display of  $[\underline{B}]$  except that the spectrum analyzer is not displayed at this time. 0

Chaque fois que l'on appuie sur la touche DISPLAY, l'affichage change pour montrer les informations suivantes:

para mostrar la información siguiente:

- L'analyseur de spectre augmente. Tous les effets de traitement numérique de l'ambiance sont affichés. ⊴ @
  - Il est pratique de vérifier ces effets en réglant le son. Même affichage que pour [B], toutefois l'analyseur de spectre n'apparaît pas. 0

A cada pressionar de DISPLAY, o mostrador altera a indicação, resultando-se na exposição das seguintes Cada vez que presione DISPLAY, la visualización cambiará

- A Cobertura maior no analisador de espectro.

  B Indicação de todos efeitos de processamento digital perimétrico.
- enquanto ajusta o som. O mesmo da indicação Bj. sem a indicação do analisador de espectro.

durante el ajuste del sonido. Igual que la visualización de [B], excepto que en este caso no se visualizará el analizador de espectro.

0

Muy útil para comprobar los efectos del procesador Se agrandará el analizador de espectro. Se visualizarán todos los efectos del procesador

perimétrico digital.

Conveniente para verificar os efeitos de processamento

# Modification de la luminosité et du contraste de l'affichage

Appuyer sur la touche DIMMER, la luminosité passe au degré Modification de la luminosité suivant.

Press DIMMER so that the brightness switches in 2 stages.

To change the brightness

To change the contrast Press CONTRAST +/-.

Changing the Brightness and Contrast of the Display

Appuyer sur la touche +/-Modification du contraste

Enclenche**ment de la touche DEMO** La touche DIMMER est libérée en mode de démonstration, mais lorsque ce mode est de nouveau hors service, l'atténuateur est de

If the DEMO button is pressed
The DIMMER button will be disengaged in demonstration mode.
When the demonstration is stopped, it will be engaged again.

# Remarques concernant l'affichage

The Liquid Crystal Display (LCD), which is designed to be viewed straight on, is used for this unit. Consequently the color of the display changes according to the angles from which the display is

Notes on the display

Un affichage à crisiaux liquides (LCD), conçu pour une lecture de face, est uffisée bins cel appeard par conséquent la couleur de celui-ci change suivant l'angle dans lequel vous le regardez.
 Un changement de la température peut modifier la luminosité de l'affichage. Dans ce cas, la réalissier en appuyant sur la touche CONTRAST +/-

# Cambio del brillo y el contraste del visualizador

Presionando DIMMER podrá cambiar el brillo en 2 Para cambiar el brillo etapas.

Presione CONTRAST +/-Para cambiar el contraste

Si presiona la tecla DEMO La tecla DIMMER se desactivará en el modo de demostración. Cuando cese la demostración, volverá a activarse.

## Votas sobre el visualizador

- Para esta unidad se emplea un visualizador de cristal líquido (L.CD) diseñado para verse perpendicularmente. Por consiguiente el color del visualizador cambiará de acuerdo con el ángulo que el que se
  - . Un cambio de temperatura pude producir el cambio del brillo del visualizador. Cuando ocurra esto, cambie el brillo presionando CONTRAST +/---.

# Para ajustar o brilho Pressione DIMMEE, e seleccione uma das duas

Ajuste do brilho e do contraste do mostrador

Para ajustar o contraste intensidades de brilho.

# pressione CONTRAST +/-.

Se pressiona DEMO A tecla DIMMER é desactivada no modo de demonstração. Terminada a demonstração, a tecla é activada novamente.

## Votas sobre a indicação

- O visor de cristal líquido (LCD), projectado para ser visto de um ángulo recto, é utilizado neste aparelho. Devido a esta característica, a cor varia de acordo com o ángulo de visão.
- Uma mudança na temperatura poderá alterar o nível de contraste Neste caso, ajuste o nível de contraste com CONTRAST +/-. do mostrador.

3

display. If this occurs, adjust the contrast level by pressing CONTRAST

. A change in temperature may change the contrast level of the

## usting the Sound with Preset Settings - SELECT 10/MORE 10

This function allows you to adjust the sound with 20 preset combinations of equalizer, surround, and dynamic sound effects to enable you to set the sound quality to suit your

taste and listening conditions.

## préréglages – select 10/MORE 10 Réglage du son avec les

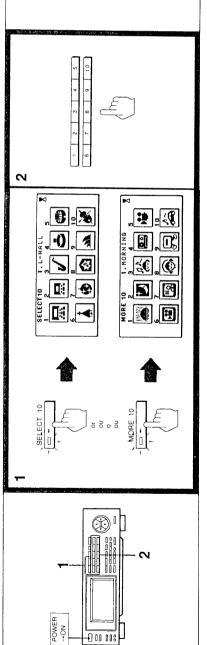
Cette fonction vous permet de régler le son à l'aide de 20 combinaisons de préréglage des effets produits par l'égaliseur, le traitement de l'ambiance et les basses dynamíques pour adapter la qualité du son à votre goût particulier et à votre environnement.

# memorizados - SELECT 10/MORE 10 Ajuste del sonido con ajustes

<u>a</u> combinaciones de efectos de ecualización, sonido perimétrico, y sonido dinámico para que pueda ajustar l cualidad del sonido a su gusto o de acuerdo con las Esta función le permitirá ajustar el sonido con 20 condiciones de escucha.

## Ajustes pré-programados - SELECT 10/MORE 10

combinações de ajustes no equalizador, processador permetirco, e compressor/expansor digital. Ajuste o som de acordo com suas preferências e o ambiente do local de escuta. Esta função possibilita o ajuste do som com 20



# SELECT 10 Preset Settings

# Gives the atmosphere of a large hall of which the seating

Gives the atmosphere similar to an instrumental recital capacity is more than 2000.

## held in a small hall. JAZZ CLUB

Gives the atmosphere similar to a performance held in a STADIUM

Reproduces stressed sounds which are most likely

created in a location surrounded with solid walls.

## stadium.

## Gives the atmosphere similar to a live concert held in a ARENA(GYM)

## Produces natural echo most likely created in surroundings CHURCH

such as in a church.

Reproduces disco-like sounds most likely created in surroundings with a solid floor and walls.

(to be continued)

# Ajustes memorizados en SELECT 10

Ofrece la atmósfera de una sala grande con una capacidad de más de 2000 asientos 1 L-HALL (Sala grande)

## Ofrece una atmósfera similar a la de un recital S-HALL (Sala pequena)

instrumental celebrado en una sala pequeña.

Reproduce el sonido tenso que suele producirse en un lugar rodeado por paredes sólidas. JAZZ CLUB (Club de jazz)

Reproduit les sons accentués d'un orchestre de jazz dans

un local construit de murs épais.

Rend l'atmosphère d'un récital de musique instrumentale

dans une petite salle de concert.

3 JAZZ CLUB

Rend l'atmosphère d'un grand hall dont la capacité

dépasse 2000 places.

1 L-HALL

Préréglages SELECT 10

## STADIUM (Estadio)

Ofrece una atmósfera similar a la de una actuación celebrada en un estadio.

## Ofrece una atmósfera similar a la de un concierto en vivo ARENA (GYM) (Gimnasio)

Rend l'atmposphère musicale d'un concert se tenant

dans un stade couvert.

ARENA (GYM)

Reproduit l'atmosphère sonore d'un stade.

STADIUM

celebrado en un gimnasio. CHURCH (Iglesia)

# Produce el eco natural que suele crearse en ambientes

tales como una iglesia.

Rend des sonorités similaires à l'ambiance créée par un

lieu au sol et murs résistants.

(à suivre)

Produit l'écho naturel d'une église.

DISCO

CHURCH

Reproduce sonidos semejantes a los de una discoteca que suelen crearse en ambientes con piso y paredes DISCO (Discoteca)

(continúa en la página siguiente)

# Ajustes pré-programados SELECT 10

# Simula o ambiente de uma grande sala de concertos com capacidade superior a 2000 pessoas.

Simula o ambiente de um recital de música instrumental numa pequena sala de concertos. S-HALL

## Reproduz sons nítidos que provavelmente seriam criados JAZZ CLUB

STADIUM
Simula um ambiente similar a concertos ao vivo num

em cómodos com paredes sólidas.

estádio.

Simula o ambiente similar a concertos ao vivo em sala de desportos. ARENA

## numa igreja.

CHURCH

Produz o eco natural que provavelmente seriam criados

Reproduz características de músicas do género disco, os sons que provavelmente seriam criados em locais com paredes e pisos sólidos.

(continua)

15

## Digital Parametric Equalizer sting the Sound with the

This feature allows you to adjust the sound by raising or lowering the levels of specific frequency ranges.

# Réglage du son avec l'égalisation paramétrique numérique

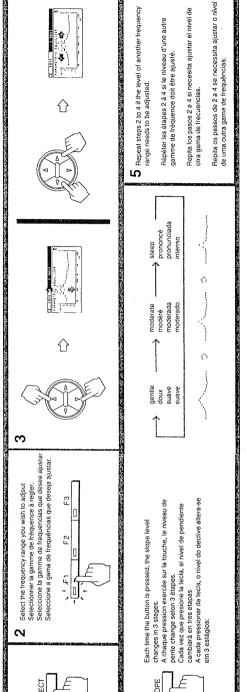
Cette caractéristique vous permet de régler le son en augmentant ou diminuant le niveau de gamme de fréquence particulière

# Ajuste del sonido con el ecualizador paramétrico digital

## lizador paramétrico digital Ajustes com o equa

Esta característica ajusta o som mediante o reforço ou a atenuação de uma dada gama de frequências.

Esta función le permitirá ajustar el sonido aumentando o disminuyendo los niveles de gamas de frecuencias especificas.



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POWER +ON

Aproximadamente 10 segundos después del ajuste, se reanudará la indicación normal. Para reanudarla con mayor rapidez, presione la tecla de frecuencia (F1/F2/F3) que esté encendida.

Environ 10 secondes après le réglage, l'indication originale revient. Appuyer sur la touche de fréquence (F1/F2/F3) illuminée pour la rétablir plus rapidement.

Approximately 10 seconds after the adjustment, the normal

indication will resume.

<del>-8-</del>

To restore it more quickly, press the frequency button (F1/F2/F3) which is illuminated.

In step 2 Button

### Gama de frecuencias Gama media Gama baja Gama alta En el paso 2 Tecla F2 E3 Ē.

Gamme moyenne fréquence

F2 E Ξ

Middle range

High range

Low range

ш F2 E3

Gamme haute fréquence

Gamme basse fréquence

Gamme de fréquence

A l'étape 2 Touche

Frequency range

Cerca de 10 segundos após o ajuste, retorna-se a indicação normal. Para obter mais rapidamente a indicação normal, pressione a tecla de frequências (F1/F2/F3) que estiver iluminada.

## No passo 2

ř	Tecla	Gama de frequências
Œ		Gama baixa
F2	2	Gama média
F3	3	Gama alta
]		

Note If we crests or troughs on the equalizer curve are combined and the peak of the resulting crest or tough exceeds ±12 dB, "OVER" will be indicated in the display.

Remarque Si les creux de la courbe d'égalisation se combinent de Si les crées et creux de la courbe d'égalisation se combinent de l'elle sorte que la crête ou le creux dépasse  $\pm$  12 dB, l'indication 'OVER' est africhée.

Mota Works corestas o senos de la cuna de ecualización se combinan y el pico de la cresta o el seno resultante sobrepasa los  $\pm$  12  $\theta B_s$ , en el visualizador se indicatá "OVER":

Nota Se dois picos na curva de equalização forem combinados, e o pico resulante exceder  $\pm$  12 dB, OVER será indicada no mostrador.

9

 $\frac{\infty}{2}$ 

23

# Using the Digital Presence Surround Effects

By using this unit's various surround effects, you can create a feeling of presence similar to being in a concert hall or stadium.

## numériques d'ambiance Utilisation des effets

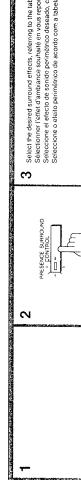
Lorsque vous utilisez les effets d'ambiance divers vous pouvez créer une atmosphère ressemblant à celle que vous auriez lors d'un concert ou dans un stade.

# Empleo de los efectos perimétricos

Empleando los diversos efectos de sonido perimétrico de esta unidad, podrá crear una sensación de presencia similar a la experimentada en una sala de conciertos o un estadio.

# Efeito perimétrico digita

Mediante o uso dos vários efeitos perimétricos, pode-se simular a sensação de estar presente numa sala de concertos ou num estádio.



Scient the desired surround effects, referring to the table below. Sélectionner i effect d'ambance souhaité en vous reportant au tableau ci-dessous. Séleccionne et éfecto de sonido permétrico deseado, consultando la tabla siguiente Seleccione o efeito perimétrico de acordo com a tabela abaixo.	2 3 4 5		
PPESENCE SUPROUND		(UNEQUE PERES)  (UNEQUE PERES)  (UNEQUE PERES)  (UNEQUE PERES)  (UNEQUE PERES)	

3 Select the desired surround effects, referring to the table below. Selectionner if effect of ambiance souhaife on yous reportant au tableau ci-dessous. Selectionner le flecto de sonido perimétrico deseado, consultando la tabla siguiente. Selectione o efeito perimétrico de acordo com a tabela abaixo.	2 3 4 5	
--	---------	--

· o							
simula o ambiente de uma grande sala de concertos (para músicas clássicas)	simula o ambiente de estádios (revereração distantes)	simula orandes ioreias com	paredes de pedra (longas reverberações incluindo sons de altas frequências)	som de concertos ao vivo	simila o efeito estereofónico em	materiais monofónicos	
REVERB 1	2 REVERB 2	3 REVERB3		EARLY REFLECTION 1	FARIY	REFLECTION 2	
<u> </u>	2	۳.		4			l
ŗ			T				
Atmósfera de una sala de conciertos grande (para música clásica)	Atmósfera de un estadio (reverberaciones procedentes de	(sole)	Atmósfera de una iglesia grande (reverberaciones de lejos que incluyen sonido de alta	Irecuencia) Sonido de un concierto en vivo		Efecto estéreo simulado de	fuentes monoaurales

REVERB 2

2

REVERB 1

Atmosphère d'une grande salle de

REVERB 1 REVERB 2 REVERB 3

Atmosphere of a large concert hall (for classical music)

-- 00-008

က

OFF

POWER

S O

concert (pour musique classique)

Atmosphère d'un stade (réverbération lointaine)

REVERB 3

m

Atmosphère d'une grande église de pierre (longue réverbération et

က

church (long reverberations including high frequency sound)

Atmosphere of a large stone

N

Atmosphere of a stadium (reverberations from far away)

Para cancelar os efeitos perimétricos Pressione OFF.

Para cancelar los efectos de sonido perimétrico Presione OFF.

EARLY REFLECTION 1

4 S

Imite l'effet stéréo sur des sources monophoniques

REFLECTION 2 REFLECTION 1

EARLY

Simulated stereo effect on Sound of live concert

monaural sources

REFLECTION 2 REFLECTION 1

EARLY

4

To cancel the surround effects Press OFF.

Annulation de l'effet d'ambiance Appuyer syr OFF.

Son d'un concert en "life" son de haute fréquence)

> 4 2

REFLECTION 2

EARLY

# Cuando emplee el telemando La reco DPS del benemando corresponde a la tocia PRESENCE SURPOLNIO CONTROL de la unidad principal. Cada vez que presione la tecla, el electo de sonido perimétrico

# Controle com o telecomando A tecia De Sos to tecamando corresponde à tecia PAESENCE SUBPOUND CONTFOL no aparetiro principal. A cada pressionar da tecia, os efeilos permétricos sao alterados como segue:

5 -

	1	
	OFF .	
	'n	ļ
	4	
	1	
	3	
	1	
	2	-
)	-	į

# When operating with the remote commander The DPS burlion on the remote commander coversories to the PRESENCE SURPROUND CONTROL button on the man unit Every time the button is pressed, the surround effects switch in the following sequence:

## La touche DPS de la télécommande correspond à la touche PRESENCE SURROUND CONTROL de l'appareil principal. Chaque fois que la touche est enfoncée, les effets d'ambance changent dans l'ordre suivant:

Fonctionnement par tèlécommande

OFF	
4	
4	į
co	
~	1
-	- 1

## -1 -2 -3 -4 -5 -4 OFF (Ausencia de efecto) cambiará en la secuencia siguiente:

REVERB 1 REVERB 2 REVERB 3

# sing the Digital Dynamic

functions; compressor and expander (noise reduction) This unit is provided with two digital dynamic sound

low volume sound more powerful although it can be enjoyed tapes meant for playing in a Walkman or car stereo, since it The compressor function is especially effective for making has the effect of making low volume sound easier to hear at normal volume levels. Also, it is effective for recording over external noise.

The expander function can reduce disturbing noise between selections recorded on a tape. Therefore it is effective for

# tilisation du son dynamique numérique

dynamique; les fonctions de compression et d'expansion Cet appareil est pourvu de deux fonctions de son (réduction de bruit).

La fonction d'expansion permet de réduire les bruits gênants rendre des sons de bas volume plus puissants, tout en étant automobile, car elle rend un son de faible volume plus facile La fonction de compression est spécialement conçue pour particulièrement lors de l'enregistrement de cassettes écoutés à un niveau normal. Cette fonction agit tout destinées à un Walkman ou une chaîne stéréo pour entre les plages d'une cassette. Elle est donc à écouter, malgré les nuisances extérieures.

# Empleo del sonido dinámico

Este aparelho é equipado com duas funções de som digital: as funções de compressão e de expansão.

fazer com que sons de baixo volume sejam reforçados a um nível de volume normal. Também, é efectiva para gravação de fítas a serem escutadas em walkmans ou auto-estéreos, já que esta função compensa os sons de baixo volume em A função de compressão é especialmente efectiva para

hacer el sonido de bajo volumen más potente aunque pueda

disfrutarse a niveles de volumen normal. Además, será

La función de compresión es especialmente efectiva para

digital; funciones de compresión y expansión (reducción de

Esta unidad dispone de dos funciones de sonido dinámico

Walkman o en un sistema estéreo, porque tiene el efecto de

hacer que el sonido de bajo volumen pueda oírse más

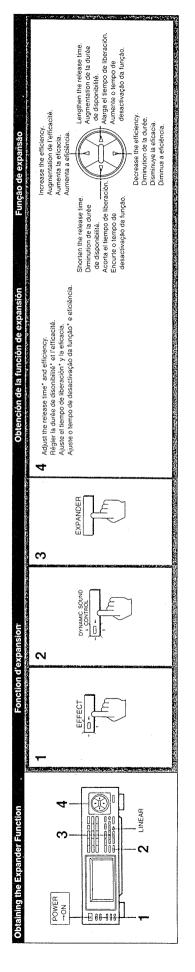
fácilmente sobre el ruido externo.

La función de expansión puede reducir el ruido perturbador

efectivo para grabar cintas que deseen reproducirse en un

A função de expansão pode reduzir os ruídos de fundo entre músicas gravadas em fitas, sendo portanto efectivo para relação aos sons externos. eprodução de cassetes.

### Alarga el tiempo de liberación. engthen the release time. entation de la durée desactivação da função. Aumente o tempo de de disponibilité. Increase the efficiency. Augmentation de l'efficacité. Aumenta la eficacia. Aumenta a eficiência. Decrease the efficiency. Diminution de la durée. Função de compressão Disminuye la eficacia. Diminua a eficiência. Ž Acorta el tiempo de liberación. desactivação da função. Shorten the release time. Diminution de la durée de disponibilité. Encurte o tempo de entre las canciones grabadas en una cinta. Por lo tanto, será O tempo de duração da função é o tempo de duração do efeito da Tiempo de liberación es el tiempo durante el cual una función Adjust the release time\* and efficiency. Regier la durée de disponibilité et l'efficacité. Ajuste et liempo de liberación y la eficacia. Ajuste ot lempo de desactivação da tunção\* e eficiência. Obtención del efecto de la función de co permance en efecto después de haberse desactivado. função após a liberação da tecla correspondente. which a function remains alive after it is disengaged. La durée de l'effet déclenché par une efectivo para reproducir cintas. The release time is the time during fonction après arrêt de celle-ci, s'appelle durée de disponibilité. COMPRESS particulièrement efficace lors de la lecture de cassettes. က Fonction de compression 2 Obtaining the Compressor Function Effe LINEAR POWER -ON · 00-008



Desactivação do compressor/expansor Pressione LINEAR. Se EFFECT for pressionada (fazendo com que a indicação se desligue), todos os efeitos do processador perimétrico digital serão desactivados.

indicador), se desactivarán todos los efectos del procesador

de sonido perimétrico digital.

Si presiona la tecla EFFECT (de forma que se apague el

Si l'on appuie sur la touche EFFECT (de manière à éteindre l'indicateur), tous les effets de traitement numérique du son

If the EFFECT button is pressed (so that the indicator turns

To disengage the digital dynamic sound

Press LINEAR

off), all of the digital surround processor effects will be

d'ambiance sont libérés.

Suppression du son dynamique numérique

Appuyer sur LINEAR.

Desactivación del sonido dinámico digital

Presione LINEAR.

27

26

## **lusted Sound** - Personal File oring the Individually

By storing the individual digital surround processor effects in the memory, you can easily call up the settings at any

surround, and dynamic sound functions, and also can give names to these individual settings by using 50 characters You can store up to 10 combinations of the equalizer, desired time. and a space.

## Mémorisation du son réglé par l'utilisateur - Fichier persor

dynamique. Vous pouvez aussi donner à ces combinaisons un nom en vous servant des 50 caractères et de d'ambiance choisis selon vos préférences, il vous est facile Vous pouvez mémoriser jusqu'à 10 combinaisons à l'aide En mémorisant les effets de traitement numérique des fonctions d'égalisation, d'ambiance et de son de rappeler ces préréglages au moment voulu. 'espacement.

Mémorisation des réglages souhaités

Storing the Desired Adjustments

# individualmente ajustado - Archivo personal Almacenamiento de sonido

perimétrico digital en la memoria, podrá invocar fácilmente los ajustes en el momento deseado. Usted podrá almacenar hasta 10 combinaciones de funciones de ecualización, de asignarles nombres empleando 50 caracteres y un espacio. sonido perimétrico, y de sonido dinámico, y también podrá Almacenando los efectos del procesador de sonido

Assign a number to the individual adjustments white "MEMORY STAND BY" is indicated. Donner un nom à ces réglages personnels forsque "MEMORY STANDBY" est affiché.

Almacenamiento de los ajustes deseados

Armazenamento da combina de ajustes - Personal File

memória, pode-se facilmente obter os ajustes no momento equalização, efeito perimétrico, e compressão/expansão desejado. Pode-se armazenar um máximo de 10 combinações de Mediante o armazenamento de cada efeito digital na

Designe a cada combinação, um memorando, dispondo-se de 50 caracteres e um espaço.

adjustment is memorized in the selected number. "P.FILE MEMORY" est affiché et le réglage est Aparecerá "P. FILE MEMORY", y el ajuste se memorizará en el número seleccionado. «P.FILE MEMORY» é indicado, e o ajuste é "P. FILE MEMORY" is indicated, and the mémorisé sous le numéro sélectionné. Asigne un número a los ajustes individuales mientras se esté indicando "MEMORY STAND BY". Designe um número para cada combinação de ajustes enquanto «MEMORY STAND BY» estiver indicada.

memorizado no número seleccionado.

Press PERSONAL FILE\* and then the numeric button in which the desired adjustment has been stored.

When using the remote commander, press SELECT (S10/M10/P.F). Memorized settings to be called up change in the

(S10/M10/P.F). Les réglages mémorisés à rappeler changent

Appuyer sur "PERSONAL FILE"\*, puis sur la touche

Rappel des réglages

numérique où le réglage souhaité a été mémorisé. Si la télécommande est utilisée, appuyer sur SELECT → MORE 10 (M10) —

---- SELECT 10 (S10)

dans l'odre suivant:

PERSONAL FILE (P.F.) ←

10) — MORE 10 (M10) — PERSONAL FILE (P.F.)

# Invocación de ajustes

Presione PERSONAL FILE\* y después la tecla numérica en la que haya almacenado el ajuste deseado. Cuando emplee el telemando, presione SELECT (S10/M10/P.F). Los ajustes memorizados que podrán invocarse cambiarán en la secuencia siguiente:

→ MORE 10 (M10) PERSONAL FILE (P.F.) ← ---- SELECT 10 (S10)

## Reobtenção dos ajustes

Pressione PERSONAL FILE\* e então a tecla numérica correspondente ao ajuste armazenado. . Ao utilizar o telecomando, pressione SELECT (S10/M10/P.F). Os ajustes armazenados reobiidos alteramse na seguinte ordem:

SELECT 10 (S10) — MORE 10 (M10) — PERSONAL FILE (P.F.)

# Calling up the Settings

→ SELECT 10 (S10) following sequence;

The state of the s

paramétrico de presencia digital (consulte la página 23), y el sonido dinámico digital (consulte la página 27).

(consulte la página 19), el sonido

Ajuste o equalizador paramėtrico digital

(página 19), o efeito perimétrico digital (página 23), e compressão/expansão (página 27).

JE.

numérique d'ambiance (voir page 22) et le son numérique dynamique (voir page 26). Ajuste el ecualizador perimétrico digital

ŏ

Règler l'égaliseur paramétrique numèrique (voir page 18), le son

**JEMORY** 

(see page 18), Digtal Presence Surround (see page 22), and Digital Dynamic Sound (see page 26).

Adjust the Digital Parametric Equalizer

Adjusted Sound - Personal File Storing the Individually-

par l'utilisateur - Fichier personnel Mémorisation du son réglé

**individualmente ajustado** - Archivo pers Almacenamiento de sonido

Armazenamento da combinação **de ajustes -** Personal File

Le numéro de lichier personnel désigné et Y-FILE MEMONYY sont affichés.
Se indicatan el número asignado al archivo personal y 'P-FILE MEMORY" O número designado e «P-FILE MEMORY» acendem-se. The assigned personal file number and "P.FILE MEMORY" are indicated. Designação de memorandos para a coml de ajustes – Edição de memorandos Move the cursor. Bouger le curseur. Mueva el cursor. Desloque o cursor. 4 Select a character. Choisir un caractère. Seleccione un carácter. Seleccione um caracter. Ę Asignación de nombres a los ajustes individualmente ajustados - Archivo personal က Assign a number to the individual adjustment while "MEMORY STAND BY" is indicated. Designe un nombre au réglage personnel lorsque "MEMORY STAND BY" est affiche. Asigne un número al ajuste individual mientras se esté indicardo "MENORY STAND BY".
Designe um número à combinação de ajustes enquento «MEMORY STAND BY » estiver acesa. The preset name will be indicated. Le nom préréglé est affiché. Se le indicará el nombre asignado. Será indicado o memorando. กับออกสาขา Cursor Cursor Cursor MEMORY. 分 Dénomination des réglages personnels - Montage de caractères CHARACTER EDIT 2 9 Ajuste el sonido, o invoque el ajuste Régler le son ou rappeler le réglage Adjust the sound, or call up the individual setting. Ajuste o som, ou obtenha a combinação de ajustes já armazenada. Répéter les étapes 3 et 4. Repita los pasos 3 y 4. Repita os passos 3 e 4. Repeat steps 3 and 4. individual. S Giving Names to the Individual Adjsutments – Character Edit 3,4 N 9 POWER -ON 

Repeat the above procedure from the beginning. To change the name

Répéter la procédure précédente à partir du début. Modification du nom

Para cambiar el nombre Repita el procedimiento anterior desde el comienzo.

Para alterar o memorando Repita os procedimentos acima indicados a partir do início.

Caracteres disponibles

() + + , - , / 012345678: % < = .? (espacio) ABCDEFGHIJKLMNOPORSTUVWXYZ

Emplee ▲ de las teclas CURSOR CONTROL para invocar un carácter anterior. Mantenga presionada ▲ o ▼ de las teclas CURSOR CONTROL para saltar caracteres.

Utiliser ∢ des touches CURSOR CONTROL pour appeler le caractère précèdent. Maintenir ▲ ou ▼ enfoncé sur les touches CURSOR CONTROL pour sauter des caractères.

()\* + , -, /0123456789: % < = > ? (espace) ABCDEFGHIJKLMNOPQRSTUVWXYZ

Caractères disponibles

Caracteres disponíveis

()\* +, -./0123456789:% < = >? (espaço) ABCDEFGHIJKLMNOPQRSTUVWXYZ

Mantenha ▲ ou ▼ de CURSOR CONTROL pressionada para saltar caracteres. Empregue a tecla ▲ de CURSOR CONTROL para obter o caracler

31

Keep pressing ▲ or ▼ of the CURSOR CONTROL buttons to skip

Use ◆ of the CURSOR CONTROL buttons to call up a previous

() + , - ./0123456789: % < = > ? (space) ABCDEFGHIJKLMNOPORSTUVWXYZ

Available Characters

# Using the Sub-Menu Window

menu secondaire

Affichage du

are listed in the sub-menu window.

Press SUB MENU and then a number for the desired

Cet appareil est équipé de 5 autres fonctions essentielles affichées sur le menu secondaire Appuyer sur la touche SUB MENU, puis sur un numéro de la fonction souhaitée.

La unidad deispone de otras 5 funciones esenciales indicadas en la ventanilla del submenú.

Empleo de la ventanilla del

Presione SUB MENU y después el número correspondiente a la función deseada.

O aparelho vem equipado com 5 outras funções essenciais que estão listadas no sub-menu.

Mostrador sub-menu

Pressione SUB MENU e então o número da função desejada.

S

4

က

The unit is equipped with 5 other essential functions which 1. SVSTEM INITIALIZE
2. DITMER MODE NEMORY
3. CONTRAST NEMORY
3. EFFECT LEVEL PRESET
5. BACKGROUND COLOR WORE TO THOUSANTE

N I SYSTEM INTIALIZE
VES -> 1
NO -> 2

3.CONTRAST MEMORY
LAST CONTRAST LEVEL MEMORY
VES -> 1
NO -> 2 V MORE 10 ILMORNING 2.DIMMER MODE MEMORY
LAST DIMMER MEMORY
VES -> 1
NO -> 2 W HORE 10 THEIGHNING

V MORE 10 LEGISMING 4. EFFECT LEVEL P 100 % -> 1 80 % -> 2 60 % -> 3

S.BACKGROUND COLOR
MHITE -> 1
BLUE -> 2

# SYSTEM INITIALIZE

All of the digital surround processor effects can be

By pressing 1, the settings of following items will return to

the initial factory settings.

• Digital parametric equalizer (see page 18)

- Digital presence surround (see page 22)
  - Digital dynamic sound (see page 26)
  - Effect level (see page 10)
    - Personal file (see page 28) Dimmer (see page 12)
      - Contrast (see page 12)
- Effect level preset (see below)

## The brightness of the display, individually set, can be DIMMER MODE MEMORY

If you press 2, the display becomes brighter every time the power is switched on. To memorize it, press 1.

CONTRAST MEMORY

# The contrast level of the display, individually set, can be

If you press 2, the contrast level becomes 50% every time the power is switched on. To memorize it, press 1. memorized.

## The effect level can be preset and memorized prior to **EFFECT LEVEL PRESET**

changed. To change it, recall the same setting or another Three preset effect levels are provided. Press 1, 2, or 3 The effect level of the setting being used cannot be calling up SELECT 10 or MORE 10 settings. according to the desired level. one after pressing 1, 2, or 3.

## BACKGROUND COLOR

The background color of the display is selectable. There are two alternatives; white and blue. Press 1 for white or 2 for blue.

# Initialisation du système (SYSTEM INITIALIZE)

Fous les effets de traitement numérique de l'ambiance peuvent être initialisés.

En appuyant sur 1, les réglages des paramètres suivants Egalisatión paramétrique numérique (voir page 18) reviennent aux réglages initiaux effectués en usine.

- Son dynamique numérique (voir page 26) Environnement numérique (voir page 22)
  - Niveau d'effet (voir page 10)

  - Fichier personnel (voir page 28)
    Atténuateur (voir page 12)
    - Contraste (voir page 12)

## Préréglage du niveau d'effet (voir ci-dessous) Mémorisation du mode d'atténuation

La luminosité de l'écran réglée individuellement peut être Si l'on appuie sur 2, l'affichage devient plus lumineux (DIMMER MODE MEMORY) Pour cela, appuyer sur 1. mise en mémoire.

## Mémorisation du contraste (CONTRAST MEMORY) Le niveau de contraste de l'affichage réglé

après la mise sous tension.

Si l'on appuie sur 2, le niveau de contraste est à 50% à personnellement peut être mémorisé. Pour le mémoriser, appuyer sur 1. chaque mise sous tension.

## Préréglage du niveau d'effet (EFFECT LEVEL PRESET)

Trois niveaux d'effets sont fournis. Appuyer sur 1, 2 ou 3 Le niveau d'effet du réglage utilisé ne peut être modifié. Pour cela, rappeler le même réglage ou tout autre en Le niveau d'effet peut être mis en mémoire avant de rappeler les préréglages SELECT 10 ou MORE 10. selon le niveau souhaité.

## Vous pouvez choisir entre deux couleurs de fond de Couleurs de fond (BACKGROUND COLOR)

Appuyer sur 1 pour obtenir le blanc et 2 pour le bleu.

l'écran: blanc ou bleu.

El color de fondo del visualizador es seleccionable. Existen dos alternativas: blanco y azul. Presione 1 para blanco o 2 para azul.

## SYSTEM INITIALIZE

odos os efeitos do processador perimétrico digital são Pressionando-se 1, os ajustes dos seguintes itens retornam aos níveis pré-programados na fábrica.

Equalizador paramétrico digital (página 19)

Ecualización paramétrica digital (consulte la página 19)

Sonido paramétrico de presencia digital (consulte la

Sonido dinámico digital (consulte la página 27)

página 23)

Archivo personal (consulte la página 29)

Nivel del efecto (consulte la página 11)

itemes siguientes volverán a los inicialmente realizados

Podrán inicializarse todos los efectos del procesador

SYSTEM INITIALIZE

perimétrico digital. Al presionar 1, los ajustes de los

- Efeito perimétrico digital (página 23)
   Compressão/Expansão (página 27) Nível do efeito (página 11)

  - Personal File (página 29)
  - Iluminação (página 13)
- Constraste (página 13)
- Nível do efeito pré-programado (veja abaixo)

# DIMMER MODE MEMORY

Nivel de los ajustes memorizados (consulte más abajo)

 Contraste (consulte la página 13) Brillo (consulte la página 13)

El brillo del visualizador, individualmente ajustado, podrá

DIMMER MODE MEMORY

Si presiona 2, el visualizador se volverá más brillante

cada vez que conecte la alimentación.

CONTRAST MEMORY

memorizarse. Para memorizarlo, presione 1.

A iluminação do mostrador, ajustado por item, pode ser Para armazenar, pressione 1. armazenada.

Se pressiona 2, a iluminação do mostrador torna-se mais

intensa cada vez que se liga a alimentação.

## CONTRAST MEMORY

El nivel de contraste del visualizador, individualmente ajustado, podrá memorizarse. Si presiona 2, el nivel del contraste se volverá el 50%

Se pressiona 2, o nível de contraste fica a 50% a cada O nível de contraste do mostrador, ajustado por item, Para armazenar, pressione 1. pode ser armazenado.

vez que se liga a alimentação.

# O nível do efeito pode ser pré-programado e armazenado **EFFECT LEVEL PRESET**

3 níveis de efeitos estão programados. Pressione 1, 2, ou O nível do efeito do ajuste em uso não pode ser alterado. Para alterar, reobtenha o mesmo ajuste ou um outro antes de obter os ajuste SELECT 10 ou MORE 10. depois do pressionamento de 1, 2, ou 3. 3 de acordo com o nível desejado.

2, o 3 de acuerdo con el nivel deseado. El nivel del efecto de un ajuste que esté empleándose no

podrá cambiarse. Para cambiarlo, invoque el mismo

ajuste u otro después de presionar 1, 2, o 3.

BACKGROUND COLOR

El nivel del efecto podrá preajustar y memorizarse antes Existen tres niveles de efecto preajustados. Presione 1,

cada vez que conecte la alimentación.

EFFECT LEVEL PRESET

Para memorizarlo, presione 1.

de invocar los ajustes de SELECT 10 y MORE 10.

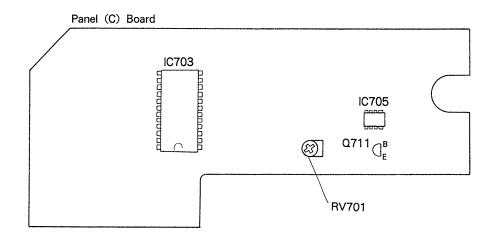
## BACKGROUND COLOR

É possivel seleccionar a cor de fundo do mostrador, entre branco e azul. Pressione 1 para o branco ou 2 para o azul. 33

## SECTION 2 ADJUSTMENT

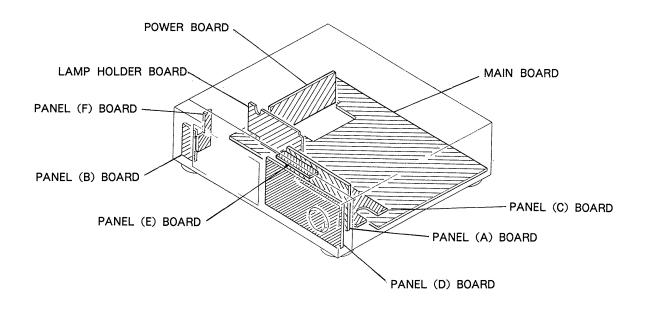
### [Electrical adjustment]

· Contrast adjustment



## **SECTION 3 DIAGRAMS**

#### 3-1. CIRCUIT BOARDS LOCATION



### 3-2. IC DESCRIPTION

### IC701 Feature Control Microcomputer (HD6435328F6)

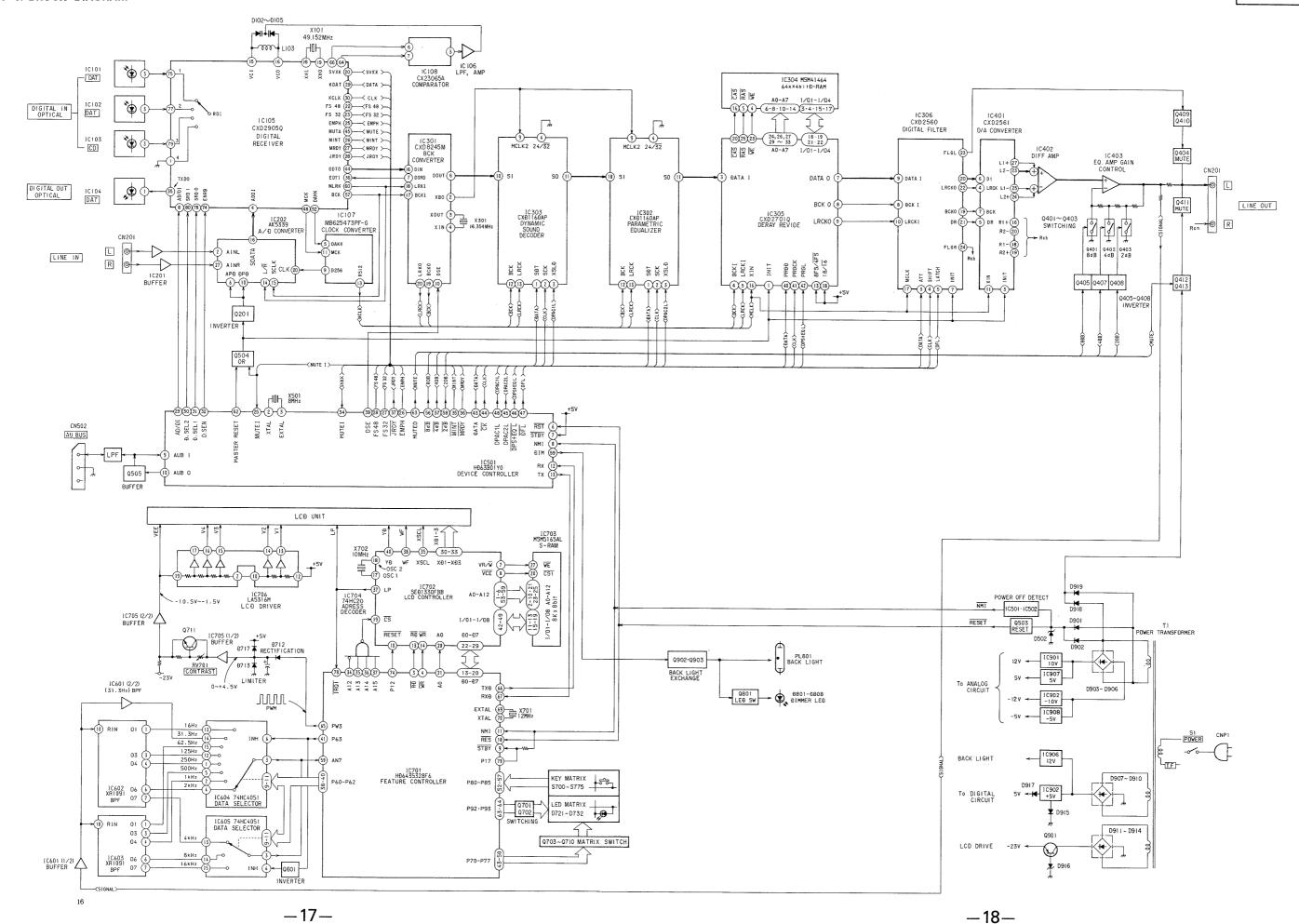
Displaying of LCD and LED is controlled in accordance with spectrum analyzer data input, key input, and audio bus input. Data of equipments' settings are transmitted to the device control microcomputer (IC501) in serial communication.

Pin No.	Pin Name	I/O	Description
1	R/W		
2	DS		Not used.
3	$\overline{\text{RD}}$	0	Data reading signal output to IC702 (LCD controller)
4	$\frac{RD}{WR}$	0	Data writing signal output to IC702 (LCD controller)
5	Vcc	_	Power supply terminal (+5 V)
6	MD0	I	Mode setting input (Fixed to "L".)
7	MD1	I	Mode setting input (Fixed to 'L'.)  Mode setting input (Fixed to "H".)
8	MD2	I	Mode setting input (Fixed to "L".)
9	STBY	I	Hardware standby mode input
10	RES	I	Reset input
			Power interrupt detection input. When it is set to "L", P17 (pin 79) is set to after
11	NMI	I	the backup processing.
12	V <sub>ss</sub>	—	GND
13~20	D0~D7	I/0	Data bus to IC702 (LCD contrller)
21	A0	0	IC702 (LCD controller) internal register select output
22~28	A1~A7	0	Address output. Not used.
29	Vss	_	GND
30~33	A8~A11	0	Address output. Not used.
34~37	A12~A15	0	Address output to generate IC702 (LCD controller) CS signal
38~41	P60~P63	0	BPF select for spectrum analyzer to IC604 and IC605 (multiplexer)
42	Vcc		Power supply terminal (+5 V)
43~50	P70~P77	0	Key and LED matrix output
51	AVss		Analog GND
52~58	P80~P86	I	Key matrix input
59	AN7	I	Spectrum analyzer data input (analog)
60	AVcc		Analog system power supply terminal (+5 V)
61	P90	_	Not used.
62	P91		Not used.
63,64	P92,P93	0	LED matrix output
65	PW3	0	LCD contrast adjustment PWM output (Darker contrast when closer to 100%)
66	TXD	0	Serial communication output to IC501 (device control microcomputer)
67	RXD	I	Serial communication input to IC501 (device control microcomputer)
68	P97		Not used.
69	EXTAL	I	Clock input (12 MHz)
70	XTAL	0	Clock output
71	V <sub>ss</sub>		GND
72	CK		Not used.
73	Е	_	Not used.
74	P12	0	Reset output to IC702 (LCD controller)
75~77	P13~P15	_	Not used.
78	ĪRQ1	I	LCD X driver latch pulse input
79	P17	0	Output (STBY (pin 9) is set to "L") to physically set the backup mode when
			the power is set to OFF.
80	A5		Not used.

### IC702 LCD controller (SED1330FBB)

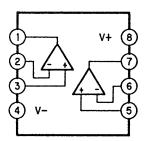
Character data transmitted from the panel microcomputer (IC701) are stored in the display memory (IC703), read out periodically, converted to LCD signal, and output.

Pin No.	Pin Name	I/0	Description
1~6	VA5~VA0	0	Address output to IC703 (display memory)
7	VR/W	0	Read/write signal output to IC703 (display memory)
8	VCE	0	Chip select output to IC703 (display memory)
9	REF NC	0	Test output. Not used.
10	RES	I	System reset input
11	SYNC NC	0	System reset input
12	CLO NC	0	Test output. Not used.
13	RD	I	Data read signal input from IC701 (panel microcomputer)
14	WR	I	Data write signal input form IC701 (panel microcomputer)
15	SEL2	I	Interface bus slect (Set always to GND.)
16	SEL1	I	Interface bus select (Set always to GND.)
17	XG	I	Clock input (10 MHz)
18	XD	0	Clock output
19	CS	I	Chip select input from the address decoder (IC704)
20	A0	I	Internal register select input
21	V <sub>DD</sub>		Power supply terminal (+5 V)
22~29	D0~D7	I/O	Data bus to IC701 (panel microcomputer)
30~33	XD3~XD0	0	Data output to LCD X driver
34	XECL	0	Enable chain clock output to LCD X driver. Not used.
35	XSCL	0	Data shift clock output to LCD X driver
36	Vss		GND
37	LP	0	LCD X driver latch pulse output
38	WF	0	Frame signal output
39	YDIS	0	LCD display OFF output. Not used.
40	YD	0	Data output to LCD Y driver
41	YSCL	0	Data shift clock output to LCD Y driver. Not used.
42~49	VD7~VD0	I/O	Data bus to IC703 (display memory)
50~59	VA15~VA6	0	Address output (VA13 to VA15 are not used) to IC703 (display memory).
60	NC	_	

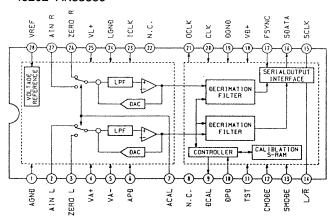


#### 3-4. IC BROCK DIAGRAMS

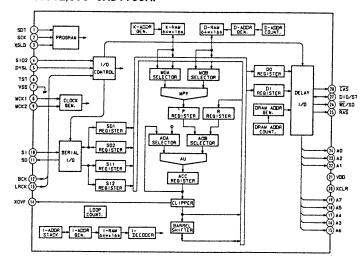
#### • IC201, 404, 705 M5218AP



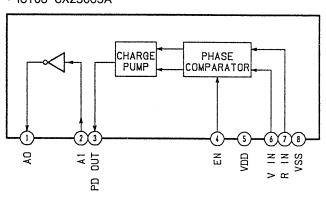
#### · IC202 AK53389



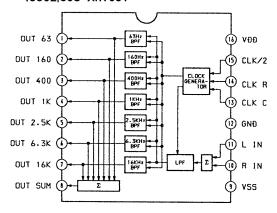
#### · IC302,303 CXD1160AP



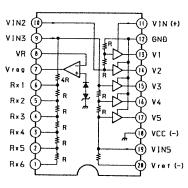
### · IC108 CX23065A



#### · IC602,603 XR1091

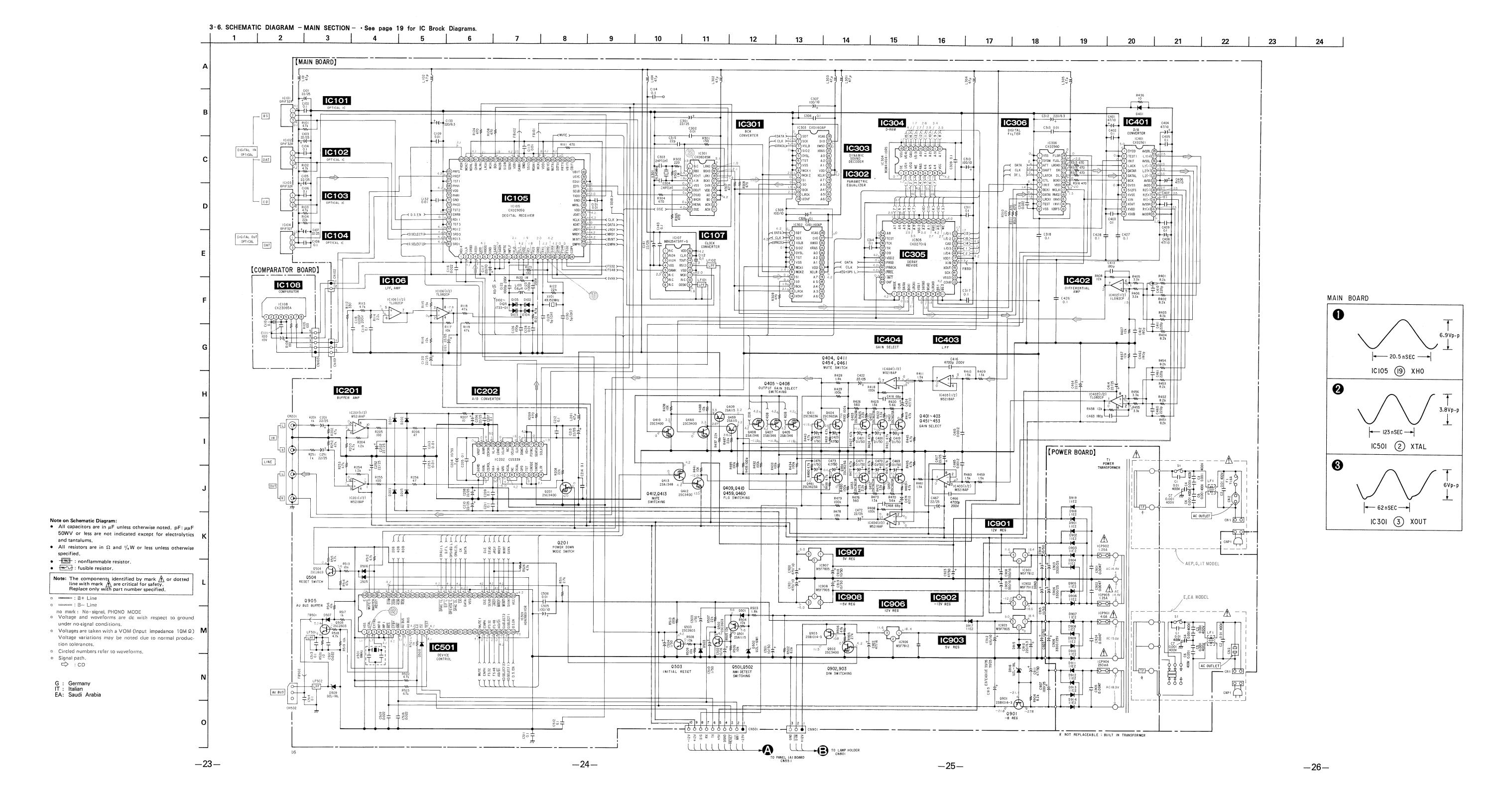


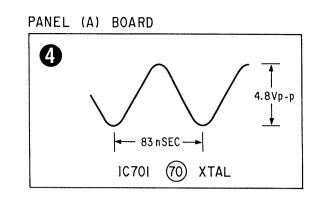
#### · IC706 LM5316M

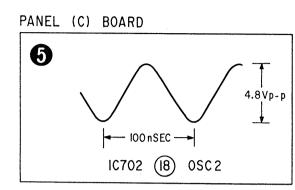


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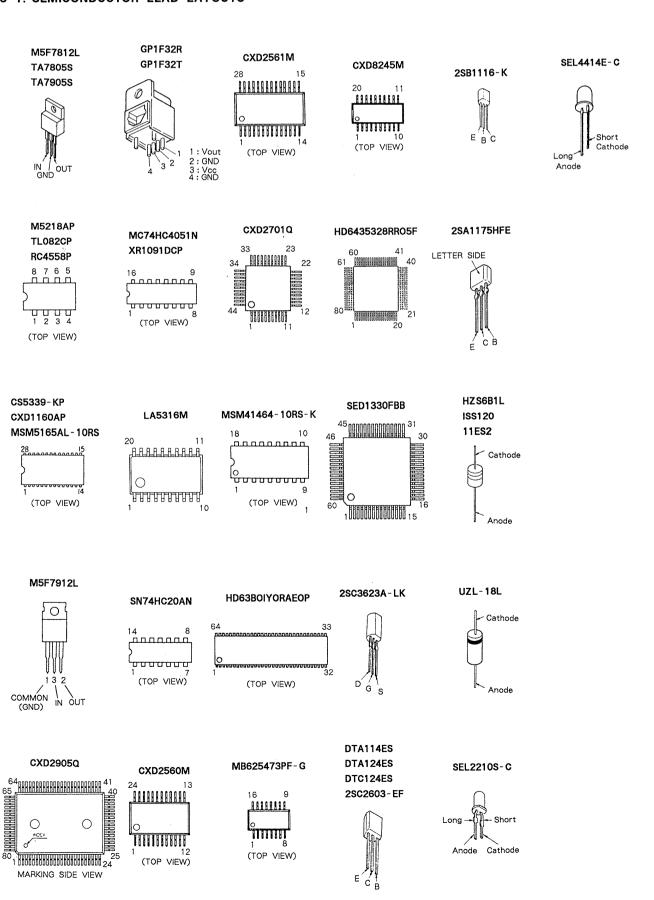
· Semiconductor Location Ref. No. Location Ref. No. Location [COMPARATOR BOARD] LINE CDCDCCCCEJJJI-I-KJJ-I-HGJ-I-HGHHHHHHHEEEEHHHHH-DIGITAL OUT OPTICAL OPTICAL D-8 C-8 B-8 MAIN BOARD 9 9 9 9 DAT BS AU BUS 0 0 0 CN5 R490 0-W-0 0+(-0<sup>C475</sup> FB502 ○ C ○ ± ; F-9 D-8 D-8 000 10 0454 7 3 04 Cocari 000000 G-99 G-99 D-99 B-9 R255 0-WW-0 0-1(-0 C252 0140 0140 0140 0 0 0 LF102 1-640-173 C118 0-11-0 R113 0-W-0 o-M-oR473 | L\_ \_ \_ J C119 0-11-0 R114 0-WW-0 ∘ N-∘ D201 AC OUTLET R116 0 W-0 R117 0 W-0 D104 0 R115 0 W-0 D102 0 0 R118 000 0-W-0 R472 R124 O-W-O R108 O-J-O C113 ∘ ► D203 UNSWITCHED 100W MAX, VOLTAGE SELECTOR o<sup>±</sup>1(-0 ¢470 E-9 E-9 B-9 K-5 K-5 J-7 0-W-0 R474 0-W-0 R470 o-H-o C253 110 - 120V o<sup>±</sup>1(-0 C474 R419 0-W-0 o- €-o FB102 6-Wr-0 R469 o----o o--⊖-o FB101 220 - 240V R421 0-W-0 0-WW-0 R471 i-6 J-6 F-16 C419 0-16-0 0-11-0 C211 o±(--> c469 o<del>±</del>1€-o C210 o<del>+</del>|(-o C133 o-II-o E,EA,MODEL I-11 I-7 AEP,UK,G,IT \$ £ € 0459 •-W-• R487 \$ \$ Q460 2 49 0 WH-0 R456 C4620-11-0 R4570-WH-0 C4640-11-0 0-M-0 25 1 R406 0-H-0 C412 0-M-0 R407 0-H-0 C414 J-13 R302 [LAMP HOLDER BOARD] 301 HIN ¢305 °+1€-° €306 0-11-0 C303 **⊶H⊸** ¢307 0<sup>+</sup>1(-∞ [ POWER BOARD ] 0-||-0 C315 0-W-0 R401 0-11-0 C410 C4010+16-0 -AEP.UK.G.IT 0-11-0 0-11-0 C402 C429 MODEL 0-MA-0 8403 0-11-0 0411 0-WA-0 R404 0-W-0 R802 8 6 0 Q801 o<sup>+</sup>1(-∞ ¢406 10303 EE, 0-11-0 C407 o-Wy-o R454 o-H-o C461 o-Wy-o R453 o-Wy-o R452 o-H-o C460 o-Wy-o R451 IC101 IC102 IC103 IC104 IC105 IC106 IC107 IC108 IC201 IC302 IC301 IC302 IC303 IC304 IC305 IC401 IC402 IC403 IC401 IC402 IC401 IC402 IC401 IC402 IC401 IC402 IC401 IC402 IC401 IC402 IC401 B-22344241766-3345667888D-C-B-B-G-3345678888-3 -0 0-1)-0° 10907 0 0 0 3 2 1 88. 10302 2818 74.0 15818 1413 12 11 10 9 8 7 6 5 4 3 2 1C304 98765432 3 2 1 9 0<sup>+</sup>1(--0 C923 o+1(-o 88 090 3 2 1 c906 <del>0</del>+1€---0 1-640-173 H-6 808 H-7 1-9 ρ ρ<sup>2</sup> ρ<sup>3</sup> o-W--- R507 Note on Mounting Diagram: • O---: parts extracted from the component side. 0-W-0 R805 • : component side. 1-637-939 1-640-173 G: Germany IT: Italian TO PANEL BOARD ← EA: Saudi Arabia

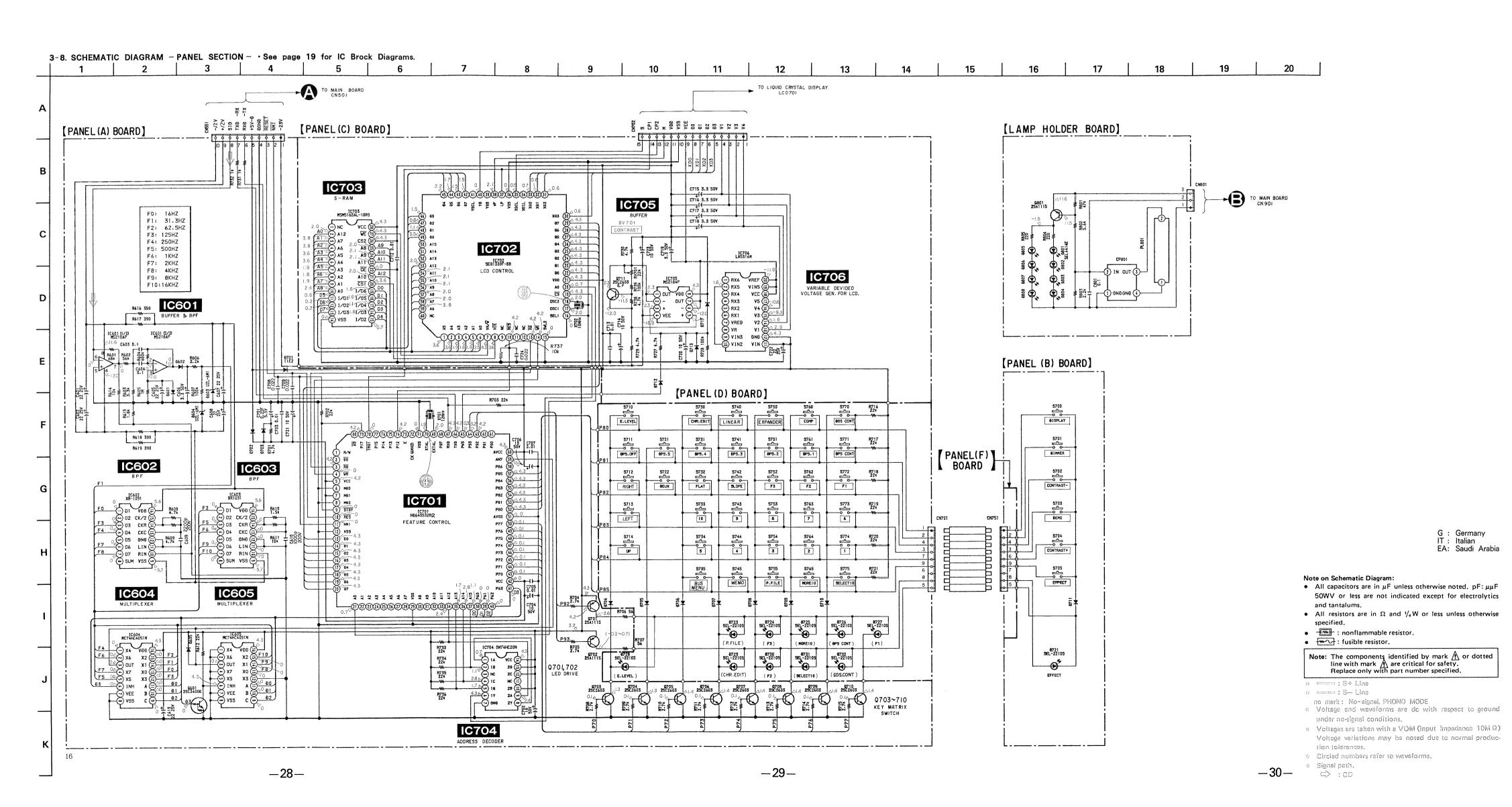


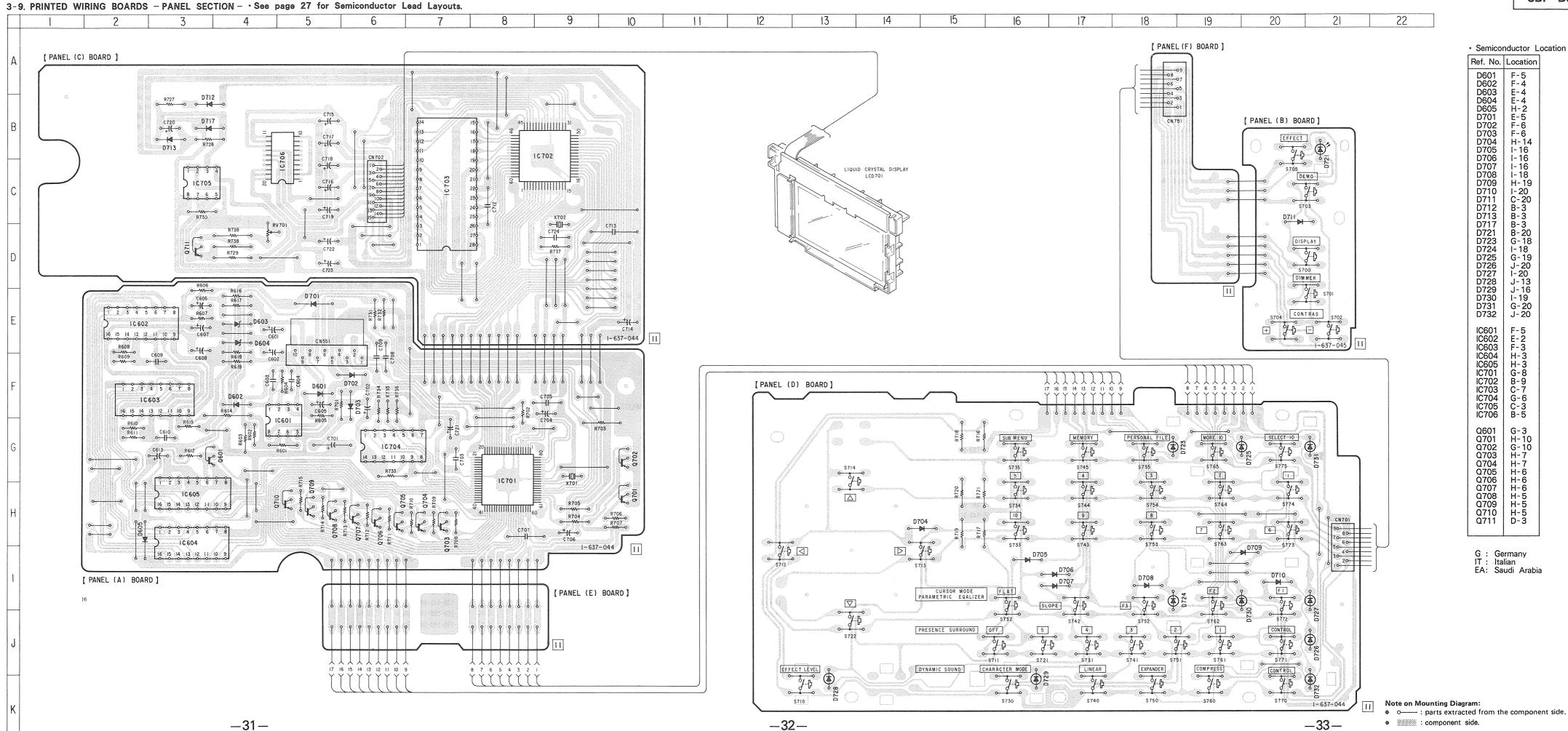




### 3-7. SEMICONDUCTOR LEAD LAYOUTS







## SECTION 4 EXPLODED VIEWS

#### NOTE:

- XX, X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE)...(RED)

↑ ↑

Parts color Cabinet's color

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number

G : Germany IT : Italian EA : Saudi Arabia

specified.

#### **OVERALL SECTION**

■A: PANEL (F) BOARD ■B: PANEL (D) BOARD ■C: PANEL (C) BOARD ■D: PANEL (E) BOARD AEP, G, IT MODEL A : POWER BOARD ▲B : COMPARATOR BOARD 16 CNP1 17 18 15 not #2 supplied T101 **∞\_\_15** supplied not supplied **28** (▲ A, ▲ B including) ( A including) not supplied CNJ101 10 PL801 not supplied LCD701 not supplied UK MODEL CNP1 #2 ■D 32 CNJ101 8 E3 MODEL VS901 35 SCNP1 not supplied CNJ101 VS901 EA3 MODEL

Ref.	No. Part No.	<u>Description</u> Ren	narks Ref. N	lo. Part No.	<u>Description</u>	<u>Remarks</u>
1	4-941-523-11	WINDOW	26	* A-4345-233-A	MAIN BOARD, COMPLETE (AEP, Italian)	
2	X-4941-442-1	PANEL ASSY, FRONT		* A-4345-234-A	MAIN BOARD, COMPLETE (Germany)	
3	<b>*</b> 4-941-534-01	HOLDER (1), LED		* A-4345-235-A	MAIN BOARD, COMPLETE (UK)	
4	<b>*</b> 1-637-045-11	PANEL B BOARD		* A-4345-236-A	MAIN BOARD, COMPLETE (E, Saudi Arabia)	
5	1-575-216-11	WIRE, FLAT TYPE (9 CORE)	27	<b>*</b> 4-924-098-91	HOLDER, PC BOARD	
6	4-921-919-01	* *	28	* 4-924-520-31		
7		JOINT (B), KNOB	29	4-934-884-01		
8.		SCREW, +BV (2.6X8) TAPPING	30	4-812-134-00	RIVET NYLON, 3.5	
9	<b>*</b> 4-941-531-01		31	<b>*</b> 4-941-543-01	ILLUMINATOR (4)	
10	<b>*</b> 4-941-530-01	CUSHION	32	* A-4345-232-A	PANEL (A) BOARD, COMPLETE	
11	<b>*</b> 4-941-527-01	HOLDER (LCD)	33	± 4-941-536-01	HOLDER (3), LED	
12	* 4-942-169-01		34		HOLDER (2-1), LED	
13	* 4-942-783-01		35		HOLDER (2-2), LED	
14		LAMP HOLDER BOARD		. 4 041 041 01	NOLDEN (2 2), EED	
15	3-704-366-01	SCREW (CASE) (M3X8)	CNJ101	<b>↑1-526-751-00</b>	OUTLET, AC (UK)	
		, , , , , , , , , , , , , , , , , , , ,	3.13.13.1		OUTLET, AC (AEP, Germany, Italian.	
16	4-919-377-01	CASE		M. 020 101 11	Saudi Arabia)	
17	4-946-541-01	SCREW (4X8), +PWHTT		<b>↑1-526-882-00</b>	OUTLET, AC (E)	
18	4-946-540-01	WASHER (SQUARE)		<u> </u>	00.221, 700 (2)	
19	* 3-309-144-21	HEAT SINK	CNP1	<b>↑1-575-651-11</b>	CORD, POWER (AEP, Germany, Italian)	
20	* 4-945-761-01	SHEET (INSULATING)			CORD, POWER (Saudi Arabia)	
				<b>1-575-656-11</b>		
21	9-911-841-XX	CUSHION			CORD, POWER (UK)	
22	* 1-533-213-31	HOLDER, FUSE	F101		FUSE, TIME-LAG (AEP, UK, Germany, Italian	<b>)</b>
23	* 3-703-244-00	BUSHING (2104), CORD (AEP, UK, Germany,			(1. 6A	
		Italian, Saudi Arabia)			(1. 00)	,
	* 3-703-571-11	BUSHING (\$) (4516), CORD (E)	LCD701	1-809-202-11	DISPLAY PANEL, LIQUID CRYSTAL	
			PL801		GAS DISCHARGE TUBE, FLUORESCENT	
24	<b>*</b> 2-379-614-01	H00K	VS901		SWITCH, VOLTAGE CHANGE (E, Saudi Arabia	<b>\</b>
25	* 4-943-823-11	PANEL, BACK (AEP, Germany, Italian)	T101		TRANSFORMER, POWER (AEP, Germany, Italia.	
		PANEL, BACK (UK)			TRANSFORMER, POWER (UK)	'''/
	* 4-943-823-31	PANEL, BACK (E)			TRANSFORMER, POWER (E, Saudi Arabia)	
		PANEL, BACK (Saudi Arabia)			The state of the s	
		·	1			

## SECTION 5 ELECTRICAL PARTS LIST

#### NOTE:

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be defferent from the parts specified in the diagrams or the components used on the set.
- XX, X mean standardized parts, so they may have some difference from the original one.
- RESISTORS

All resistors are in ohms.

METAL: metal-film resistor

METAL OXIDE: Metal Oxide-film resistor

F: nonflammable

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
   In each case, u: μ, for example: uA...: μA..., uPA..., μPA..., uPB..., μPB..., μPC...., uPD....
- CAPACITORS:

uF: μF
• COILS
uH: μH

									uH: μ	чН			
Ref. N	lo. <u>Part No.</u>	Descrip	tion			Remarks	Ref. No.	Part No.	Descrip	otion			Remarks
	* A-4345-234-A	MAIN BOARD,	COMPLETE (	Germany)			C120	1-126-049-11	ELECT	22uF	20%	25V	
		********	********	*****			C121	1-126-049-11	ELECT	22uF	20%	25V	
	* A-4345-233-A	MAIN BOARD,	COMPLETE (A	NEP, Ital	ian)		C122	1-106-343-00	MYLAR	1000PF	5%	200V	
		*******	*******	*****	******	-	C123	1-106-343-00	MYLAR	1000PF	5%	200V	
	* A-4345-235-A	MAIN BOARD,	COMPLETE (L	JK)			C126	1-164-070-11	CERAMIC	100PF	5%	50V	
		*******	********	**									
	* A-4345-236-A	MAIN BOARD,	COMPLETE (E	, Saudi	Arabia)		C128	1-136-153-00	FILM	0. 01uF	5%	50V	
		********	********	******	******		C129	1-164-014-11	CERAMIC	5PF	0. 25PF	50V	
							C130	1-164-014-11	CERAMIC	5PF	0. 25PF	507	
	* 1-533-213-31	HOLDER, FUS	E (AEP, UK, Ge	ermany, l	talian)		C131	1-136-153-00	FILM	0. 01uF	5%	50V	
	* 3-309-144-21	HEAT SINK					C132	1-136-153-00	FILM	0. 01uF	5%	50V	
	7-685-646-79	SCREW +BVTP	3X8 TYPE2	N-S									
							C133	1-124-587-11	ELECT	220uF	20%	6. 3V	
		( CAPACITOR	<b>)</b>				C140	1-136-165-00	FILM	0. 1uF	5%	50V	
							C141	1-126-049-11	ELECT	22uF	20%	25V	
C1	<b>1-161-744-00</b>	CERAMIC	0. 01uF		400V	İ	C142	1-164-159-11	CERAMIC	0. 1uF		507	
C2	<b>1-161-744-00</b>	CERAMIC	0. 01uF		400V		C143	1-136-165-00	FILM	0. 1uF	5%	50V	
C3	<u></u> 1-161-741-00	CERAMIC	0. 001uF	10%	400V								
C4	<b>1-161-741-00</b>	CERAMIC	0. 001uF	10%	400V		C201	1-126-049-11	ELECT	22uF	20%	25V	
C5	<u>↑</u> 1-161-741-00	CERAMIC	0. 001uF	10%	400V		C202	1-126-049-11	ELECT	22uF	20%	25V	
							C203	1-136-153-00	FILM	0. 01uF	5%	50V	
C6	<b>▲</b> 1-161-741-00		0. 001uF	10%	400V	-	C204	1-126-059-11	ELECT	10uF	20%	50V	
C7	1-161-741-00		0. 001uF	10%	400V		C205	1-164-159-11	CERAMIC	0. 1uF		50V	
C101	1-126-049-11		22uF	20%	25V								
C102	1-164-159-11		0. 1uF		50V	ĺ		1-126-049-11	ELECT	22uF	20%	25V	
C103	1-126-049-11	ELECT	22uF	20%	25V	Ì		1-164-159-11	CERAMIC	0. 1uF		50V	
								1-126-049-11	ELECT	22uF	20%	25V	
C104	1-164-159-11		0. 1uF		50V			1-164-159-11	CERAMIC	0. 1uF		50V	
C105	1-126-049-11		22uF	20%	25V		C210	1-126-049-11	ELECT	22uF	20%	25V	
C106	1-164-159-11		0. 1uF		50V								
C107	1-126-049-11		22uF	20%	25V		C211	1-164-159-11	CERAMIC	0. 1uF		50V	
C108	1-164-159-11	CERAMIC	0. 1uF		50V			1-164-159-11	CERAMIC	0. 1uF		50V	
								1-126-049-11		22uF	20%	25V	
C109	1-136-153-00		0. 01uF	5%	50V			1-164-159-11		0. 1uF		50V	
C110	1-136-165-00		0. 1uF	5%	50V		C251	1-126-049-11	ELECT	22uF	20%	25V	
C111	1-124-443-00		100uF	20%	10V								
C112	1-164-159-11		0. 1uF		50V			1-126-049-11		22uF	20%	25V	
C113	1-136-153-00	FILM	0. 01uF	5%	50V			1-136-153-00		0. 01uF	5%	507	
								1-126-049-11		22uF	20%	25V	
C114	1-164-159-11		0. 1uF		50V			1-136-153-00		0. 01uF	5%	50V	
C116	1-161-494-00		0. 022uF		25V		C303	1-102-960-00	CERAMIC	24PF	5%	507	
C117	1-124-443-00		100uF	20%	10V								
C118	1-164-079-11		330PF	10%	50V								
C119	1-136-165-00	FILM	0. 1uF	5%	50V								

Ref. No	. Part No.	Descrip	tion			Remarks ,	Ref. No.	Part No.	Descri	otion			Remarks
C304	1-102-960-00	CERAMIC	24PF	5%	50V		C460	1-164-077-11	CERAMIC	220PF	10%	50V	
C305	1-124-443-00		100uF	20%	107		C461	1-164-077-11	CERAMIC	220PF	10%	50V	
C306	1-164-159-11		0. 1uF		50V		C462	1-164-076-11	CERAMIC	180PF	10%	50V	
C307	1-124-443-00		100uF	20%	107		C463	1-164-076-11	CERAMIC	180PF	10%	50V	
C308	1-164-159-11		0. 1uF		50V		C464	1-126-049-11	ELECT	22uF	20%	25V	
C309	1-164-159-11	CERAMIC	0. 1uF		507		C465	1-130-472-00	MYLAR	0. 0012uF	5%	507	
C310	1-124-443-00	ELECT	100uF	20%	107		C466	1-106-359-00	MYLAR	4700PF	5%	200V	
C311	1-164-159-11	CERAMIC	0. 1uF		<b>50V</b>		C467	1-126-049-11	ELECT	22uF	20%	25V	
C312	1-124-587-11	ELECT	220uF	20%	6. 3V		C468	1-164-066-11	CERAMIC	68PF	5%	507	
C313	1-136-153-00	FILM	0. 01uF	5%	50V		C469	1-124-463-00	ELECT	0. 1uF	20%	507	
C314	1-136-165-00	FILM	0. 1uF	5%	50V		C470	1-124-463-00	ELECT	0. 1uF	20%	50V	
C315	1-164-027-11	CERAMIC	22PF	5%	507		C471	1-124-463-00	ELECT	0. 1uF	20%	507	
C316	1-161-494-00	CERAMIC	0. 022uF		25V		C472	1-126-049-11	ELECT	22uF	20%	257	
C317	1-164-159-11	CERAMIC	0. 1uF		507		C473	1-126-163-11	ELECT	4. 7uF	20%	50V	
C318	1-164-159-11	CERAMIC	0. 1uF		507		C474	1-126-022-11	ELECT	47uF	20%	107	
C401	1-126-022-11	ELECT	47uF	20%	107		C475	1-126-301-11	ELECT	1uF	20%	507	
C402	1-164-159-11	CERAMIC	0. 1uF		50V		C501	1-126-059-11	ELECT	10uF	20%	50V	
C403	1-164-159-11	CERAMIC	0. 1uF		50V		C502	1-126-157-11	ELECT	10uF	20%	16V	
C404	1-126-022-11	ELECT	47uF	20%	107		C503	1-126-301-11	ELECT	1uF	20%	507	
C405	1-136-165-00	FILM	0. 1uF	5%	507		C504	1-126-301-11	ELECT	1uF	20%	50V	
C406	1-126-022-11	ELECT	47uF	20%	107		C505	1-126-177-11	ELECT	100uF	20%	107	
C407	1-136-165-00	FILM	0. 1uF	5%	507		C506	1-161-379-00	CERAMIC	0. 01 uF	20%	25V	
C408	1-126-022-11	ELECT	47uF	20%	107		C507	1-161-494-00	CERAMIC	0. 022uF		25V	
C409	1-164-159-11	CERAMIC	0. 1uF		50V		C508	1-161-494-00	CERAMIC	0. 022uF		25V	
C410	1-164-077-11	CERAMIC	220PF	10%	50V		C509	1-161-494-00	CERAMIC	0. 022uF		257	
C411	1-164-077-11	CERAMIC	220PF	10%	50V		C510	1-126-301-11	ELECT	1uF	20%	50V	
C412	1-164-076-11	CERAMIC	180PF	10%	50V		C511	1-164-159-11	CERAMIC	0. 1uF		507	
C413	1-164-076-11	CERAMIC	180PF	10%	507		C512	1-164-159-11	CERAMIC	0. 1uF		507	
C414	1-126-049-11	ELECT	22uF	20%	25V		C513	1-164-159-11	CERAMIC	0. 1uF		50V	
C415	1-130-472-00	MYLAR	0. 0012uF	5%	50V		C514	1-164-159-11	CERAMIC	0. 1uF		507	
C416	1-106-359-00	MYLAR	4700PF	5%	200V		C901	1-161-377-00	CERAMIC	0. 0047uF	20%	507	
C417	1-126-049-11	ELECT	22uF	20%	25V		C902	1-161-377-00	CERAMIC	0. 0047uF	20%	50V	
C418	1-164-066-11	CERAMIC	68PF	5%	50V		C903	1-126-029-11	ELECT	3300uF	20%	25V	
C419	1-124-463-00	ELECT	0. 1uF	20%	507		C904	1-126-029-11	ELECT	3300uF	20%	25V	
C420	1-124-463-00	ELECT	0. 1uF	20%	50V		C905	1-161-377-00	CERAMIC	0. 0047uF	20%	50V	
						1							
C421	1-124-463-00	ELECT	0. 1uF	20%	50V		C906	1-126-029-11	ELECT	3300uF	20%	257	
C422	1-126-049-11	ELECT	22uF	20%	25V		C907	1-124-478-11	ELECT	100uF	20%	25V	
C423	1-126-163-11	ELECT	4. 7uF	20%	50V		C908	1-126-025-11	ELECT	330uF	20%	16V	
C424	1-126-022-11	ELECT	47uF	20%	107		C909	1-126-025-11	ELECT	330uF	20%	167	
C425	1-126-301-11	ELECT	1uF	20%	507		C910	1-124-587-11	ELECT	220uF	20%	6. 37	
C426	1-164-159-11		0. 1uF		50V		C911	1-124-910-11		47uF	20%	50V	
C427	1-164-159-11		0. 1uF		50V			1-124-472-11		470uF	20%	107	
C428	1-164-159-11		0. 1uF		50V		C913	1-124-482-11	ELECT	33uF	20%	35V	
C429	1-164-159-11		0. 1uF		50V					(E, Saudi			
C430	1-164-159-11	CERAMIC	0. 1uF		50V		C913	1-124-242-00	ELECT	33uF	20%	25V	
										(AEP, UK, G	ermany,	ltalian)	)

Ref. N	lo. Part No.	Descrip	otion			Remarks	Ref. No.	Part No.	D	escription_	Remarks
C914	1-126-059-11		 10uF	201/	EAV		D508	8-719-912-20			
C914				20%	50V						
	1-126-059-11		10uF	20%	50V		D509	8-719-000-75		UZL-7L1-TP	
C918	1-126-059-11		10uF	20%	50V		D901	8-719-200-82		11ES2	
C919	1-126-059-11	ELECT	10uF	20%	50V		D902	8-719-200-82		11ES2	
0000	1 104 470 11	EI EAT	470 5	004	4014		D903	8-719-200-82	DIODE	11ES2	
C920	1-124-472-11		470uF	20%	107		2004		D. 1405	44500	
C921	1-124-472-11		470uF	20%	10V		D904	8-719-200-82		11ES2	
C922	1-126-022-11		47uF	20%	16V		D905	8-719-200-82		11ES2	
C923	1-124-910-11		47uF	20%	50V		D906	8-719-200-82		11ES2	
C924	1-161-377-00	CERAMIC	0. 0047uF	20%	50V		D907	8-719-200-82		11ES2	
0025	1 126 050 11	EI CAT	10	201/	FOV		D908	8-719-200-82	שוטטב	11ES2	
C925	1-126-059-11	ELEGI	10uF	20%	50V		0000	0 710 200 02	חוטטר	1100	
		< CONNECTOR	. \				D909 D910	8-719-200-82		11ES2	
		COMMECTOR	<b>1</b> /				D910 D911	8-719-200-82		11ES2	
BP1	1-535-139-00	RASE POST 2	9144 /10144 DI	TCH) 2D	(AED IN		D911	8-719-200-82 8-719-200-82		11ES2 11ES2	
DI 1	1 333 133 00	DAGE 1001 2		-	Italian		D912	8-719-200-82		11ES2	
	* 1-535-141-00	RASE POST 2				,	טפוט	6-719-200-02	DIODE	11632	
	+ 1 333 141 00	DAGE 1001 Z	.em (IVmm II		i Arabia	`	D914	8-719-200-82	DIODE	11ES2	
BP2	* 1-560-595-00	TERMINAL (W	IITH RASE\/E			,	D914 D915	8-719-912-20		1SS120	
DI Z	+ 1 300 333 00	ILIMINAL (II	TITT DAGE/ (E,	Sauui A	iabia/			8-719-002-06			
BP3	* 1-560-595-00	TEDMINAI /W	/ TU DACE\/E (	Coudi A	rabia\		D916 D917	8-719-200-82		UZL-18L 11ES2	
CN1	* 1-564-321-00			Jauui A	I ab I a /		D918	8-719-200-82		11ES2	
	* 1-564-506-11						D310	0-719-200-02	DIODE	TIEOZ	
	* 1-564-505-11						D919	8-719-200-82	DIADE	11ES2	
	* 1-564-508-11						פופט	0-119-200-02	DIQUE	11502	
CHIUS	+ 1 304 300 11	I LOU, COMME	.UTUN 31						/ EEDI	RITE BEAD >	
CN201	1-573-520-11	JACK PIN 4	P (LINE)						\ 1 LIU	TITE BEAD /	
CN501	1-569-406-11						FB101	1-410-396-41	FERRIT	E BEAD INDUCTOR	
	* 1-565-561-11			IS)			FB102			E BEAD INDUCTOR	
	* 1-564-506-11			50,			FB301			E BEAD INDUCTOR	
		,					FB501			E BEAD INDUCTOR	
		⟨ DIODE ⟩					FB502			E BEAD INDUCTOR	
		,,					, 5002			L DEID MOOTON	
D102	8-713-300-88	DIODE 1T3	30-01						( IC )		
D103	8-713-300-88	DIODE 1T3	3C-01							*	
D104	8-713-300-88	DIODE 1T3	3C-01				IC101	8-749-921-11	1C (	P1F32R (IN/BS)	
D105	8-713-300-88	DIODE 1T3	3C-01				IC102	8-749-921-11	10 0	P1F32R (IN/DAT)	
D201	8-719-912-20	DIODE 1SS	120				IC103	8-749-921-11	10 0	SP1F32R (IN/CD)	
							IC104	8-749-921-12	10 0	P1F32T (OUT/DAT)	
D202	8-719-912-20	DIODE 1SS	120				IC105	8-759-512-96	10 0	XD2905Q	
D203	8-719-912-20	DIODE 1SS	120								
D205	8-719-912-20	DIODE 1SS	120				IC106	8-759-990-82	10 1	L082CP	
D401	8-719-912-20	DIODE 1SS	120				IC107	8-759-517-14	IC N	18625473PF-G	
D501	8-719-912-20	DIODE 1SS	120				IC108	8-752-306-51	10 0	X23065A	
							IC201	8-759-634-51	IC N	15218AP	
D502	8-719-933-36	DIODE HZS	6B1L				10202	8-759-504-36	10 0	S5339-KP	
D503	8-719-912-20	DIODE 1SS	120								
D505	8-719-912-20	DIODE 1SS	120				IC301	8-759-511-68	10 0	XD8245M	
D506	8-719-912-20	DIODE 1SS	120				IC302	8-752-331-87	10 0	XD1160AP	
D507	8-719-912-20	DIODE 1SS	120				10303	8-752-331-87	10 0	XD1160AP	
							IC304	8-759-973-04	IC N	ISM41464-10RS-K	
							10305	8-752-341-99	10 0	XD27010	

D-f N	David Na	Danaviatia		Damanila	Def No	Don't No	Description	_			Remarks
Ref. No		Description	1	Remarks	Ref. No.		Description	_			Hemarks
1C306	8-752-342-65				Q410	8-729-900-36		DTC124			
IC401	8-752-343-01				Q411	8-729-141-30			23A-LK		
1C402	8-759-990-82				Q412	8-729-900-36		DTC124			
1C403	8-759-634-51				Q413	8-729-900-61		DTA114			
1C404	8-759-634-51	IC M5218AP			Q451	8-729-141-30	TRANSISTOR	2SC362	23A-LK		
10501	9_750_222_77	IC HD63B01Y0	DAEAD		Q452	8-729-141-30	TRANSISTOR	26036	23A-LK		
IC901	8-759-323-77 8-759-604-33		IVACUF		Q453	8-729-141-30			3A-LK		
10902	8-759-604-51				Q454	8-729-141-30			23A-LK		
10902	8-759-231-53				Q459	8-729-119-76			75-HFE		
10906	8-759-604-33				Q460	8-729-900-36		DTC124			
10000	0 100 004 00	TO MOTTOTEE			4100	0 120 000 00	1100001011	D1012			
IC907	8-759-231-53	IC TA7805S			0461	8-729-141-30	TRANSISTOR	2SC362	23A-LK		
10908	8-759-245-79	IC TA7905S			Q501	8-729-119-76	TRANSISTOR	2SA117	75-HFE		
ICP901	<b>1-532-845-41</b>	IC, LINK			0502	8-729-620-05	TRANSISTOR	2SC260	)3-EF		
ICP902	<b>1-532-840-41</b>	IC, LINK			0503	8-729-620-05	TRANSISTOR	2SC260	)3-EF		
ICP903	<b>1-532-840-41</b>	IC, LINK			0504	8-729-620-05	TRANSISTOR	2SC260	)3-EF		
1CP904	<b>1-532-833-41</b>	IC, LINK			0505	8-729-620-05	TRANSISTOR	2SC260	)3-EF		
					0901	8-729-118-01	TRANSISTOR	2SB111	6-K		
		( COIL )			Q902	8-729-900-36	TRANSISTOR	DTC124	IES		
				ļ	0903	8-729-118-01	TRANSISTOR	2SB11	6-K		
L101	1-410-517-11	INDUCTOR	47uH								
L102	1-410-324-11	INDUCTOR	4. 7uH				〈 RESISTOR 〉				
L103	1-406-416-11	COIL (OSC)									
L104	1-410-517-11	INDUCTOR	47uH		R101	1-249-425-11	CARBON	4. 7K	5%	1/4W	
L201	1-410-517-11	INDUCTOR	47uH		R102	1-249-425-11	CARBON	4. 7K	5%	1/4W	
					R103	1-249-425-11	CARBON	4. 7K	5%	1/4W	
L301	1-410-517-11	INDUCTOR	47uH		R104	1-249-433-11	CARBON	22K	5%	1/4W	
L302	1-410-517-11	INDUCTOR	47uH		R105	1-249-405-11	CARBON	100	5%	1/4₩	
L303	1-410-517-11	INDUCTOR	47uH								
L304	1-410-517-11	INDUCTOR	47uH		R106	1-249-405-11		100	5%	1/4₩	
L305	1-410-324-11	INDUCTOR	4. 7uH		R108	1-249-413-11		470	5%	1/4W	
				i	R111	1-249-413-11		470	5%	1/4₩	
		( FILTER )			R112	1-249-411-11		330	5%	1/4W	
	4 101 117 11	511 T50 1 1115			R113	1-249-425-11	CARBON	4. 7K	5%	1/4W	
LF1		FILTER, LINE			0114	1 040 401 11	OADDON.	0 0V	<b>54</b> /	4 / AW	
LF101 LF102		FILTER, NOISE FILTER, NOISE			R114 R115	1-249-421-11 1-249-431-11		2. 2K 15K		1/4₩ 1/4₩	
		FILTER, NOISE			R116	1-249-431-11	CARBON	10K	5% 5%	1/4W	
LF501 LF502		FILTER, NOISE			R117	1-249-429-11		10K	5%	1/4W	
LI 302	1-424-343-21	TILILI, NOISL			R118	1-249-425-11		47K	5%	1/4# 1/4₩	
		( TRANSISTOR )			1110	1 243 407 11	OALDON	7711	5/0	17 411	
		( 110000101011 )			R119	1-249-437-11	CARBON	47K	5%	1/4W	
0201	8-729-900-36	TRANSISTOR	DTC124ES		R120	1-247-903-00		1 <b>M</b>	5%	1/4W	
0401	8-729-141-30		2SC3623A-LK		R121	1-249-437-11		47K	5%	1/4W	
0402	8-729-141-30		2SC3623A-LK		R122	1-249-433-11		22K	5%	1/4W	
0403	8-729-141-30		2SC3623A-LK		R123	1-249-413-11		470	5%	1/4W	
Q404	8-729-141-30		2SC3623A-LK	-	•			-			
					R124	1-249-413-11	CARBON	470	5%	1/4₩	
Q405	8-729-900-63	TRANSISTOR	DTA124ES		R201	1-249-417-11	CARBON	1K	5%	1/4W	
Q407	8-729-900-63	TRANSISTOR	DTA124ES		R202	1-249-437-11	CARBON	47K	5%	1/4W	
Q408	8-729-900-63	TRANSISTOR	DTA124ES		R203	1-249-425-11	CARBON	4. 7K	5%	1/4W	
Q409	8-729-119-76	TRANSISTOR	2SA1175-HFE		R204	1-249-418-11	CARBON	1. 2K		1/4W	

Note: The components identified by mark  $\bigwedge$  or dotted line with mark  $\bigwedge$  are critical for safety. Replace only with part number specified.

Ref. No	o. <u>Part No.</u>	<u>Des</u>	cription			Remarks	Ref. No.	Part No.	<u>Desc</u>	<u>cription</u>			Remarks
R205	1-249-405-11	CARBON	100	5%	1/4W		R426	1-249-414-11	CARBON	560	5%	1/4W	
R206	1-249-401-11	CARBON	47		1/4W			1-249-425-11	CARBON	4. 7K		1/4W	
R207	1-249-393-11	CARBON	10	5%	1/4W	İ	R428	1-249-420-11	CARBON	1. 8K	5%	1/4W	
R208	1-249-433-11	CARBON	22K	5%	1/4W		R429	1-249-441-11	CARBON	100K	5%	1/4W	
R209	1-249-413-11	CARBON	470	5%	1/4W		R430	1-249-441-11	CARBON	100K	5%	1/4W	
R251	1-249-417-11	CARBON	1K	5%	1/4W		R431	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R252	1-249-437-11	CARBON	47K	5%	1/4W		R432	1-249-441-11	CARBON	100K	5%	1/4W	
R253	1-249-425-11	CARBON	4. 7K	5%	1/4W		R433	1-249-441-11	CARBON	100K	5%	1/4₩	
R254	1-249-418-11	CARBON	1. 2K	5%	1/4W		R434	1-249-441-11	CARBON	100K	5%	1/4W	
R255	1-249-405-11	CARBON	100	5%	1/4W		R435	1-249-441-11	CARBON	100K	5%	1/4W	
R256	1-249-401-11	CARBON	47	5%	1/4W		R436	1-249-393-11	CARBON	10	5%	1/4W	
R301	1-249-407-11	CARBON	150	5%	1/4W		R437	1-249-433-11	CARBON	22K	5%	1/4W	
R302	1-249-409-11	CARBON	220	5%	1/4₩	İ	R438	1-249-429-11	CARBON	10K	5%	1/4₩	
R303	1-247-903-00	CARBON	1M	5%	1/4W		R440	1-249-425-11	CARBON	4. 7K	5%	1/4₩	
R304	1-249-413-11	CARBON	470	5%	1/4W		R441	1-249-429-11	CARBON	10K	5%	1/4W	
R305	1-249-413-11	CARBON	470	5%	1/4W		R445	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R307	1-249-413-11		470		1/4W			1-249-428-11	CARBON	8. 2K		1/4W	
R308	1-249-413-11		470		1/4W			1-249-428-11	CARBON	8. 2K		1/4W	
R309	1-249-413-11	CARBON	470		1/4W			1-249-428-11	CARBON	8. 2K		1/4W	
R310	1-249-413-11		470		1/4W			1-249-428-11		8. 2K		1/4W	
R311	1-249-413-11	CARBON	470	5%	1/4W		R455	1-249-423-11	CARBON	3. 3K	5%	1/4W	
R312	1-249-413-11	CARBON	470		1/4W			1-249-423-11	CARBON	3. 3K		1/4W	
R313	1-249-413-11	CARBON	470	5%	1/4W			1-249-430-11	CARBON	12K	5%	1/4W	
R314	1-249-413-11		470		1/4W			1-249-430-11		12K	5%	1/4₩	
R315	1-249-413-11		470	5%	1/4W			1-249-419-11		1. 5K		1/4W	
R316	1-249-413-11	CARBON	470	5%	1/4W		R460	1-249-419-11	CARBON	1. 5K	5%	1/4₩	
R401	1-249-428-11	CARBON	8. 2K	5%	1/4₩		R461	1-249-419-11	CARBON	1. 5K	5%	1/4₩	
R402	1-249-428-11	CARBON	8. 2K		1/4W	]	R468	1-249-441-11	CARBON	100K	5%	1/4₩	
R403	1-249-428-11		8. 2K		1/4₩			1-249-425-11	CARBON	4. 7K	5%	1/4W	
R404	1-249-428-11	CARBON	8. 2K	5%	1/4W		R470	1-249-426-11	CARBON	5. 6K	5%	1/4W	
R405	1-249-423-11	CARBON	3. 3K	5%	1/4W		R471	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R406	1-249-423-11	CARBON	3. 3K	5%	1/4W		R472	1-249-423-11	CARBON	3. 3K	5%	1/4W	
R407	1-249-430-11	CARBON	12K	5%	1/4W		R473	1-249-419-11	CARBON	1. 5K	5%	1/4₩	
R408	1-249-430-11	CARBON	12K	5%	1/4W		R474	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R409	1-249-419-11	CARBON	1. 5K	5%	1/4W		R475	1-249-421-11	CARBON	2. 2K	5%	1/4W	
R410	1-249-419-11	CARBON	1. 5K	5%	1/4W		R476	1-249-414-11	CARBON	560	5%	1/4W	
R411	1-249-419-11	CARBON	1. 5K	5%	1/4W	1	R477	1-249-425-11	CARBON	4. 7K	5%	1/4W	
R418	1-249-441-11	CARBON	100K	5%	1/4W		R478	1-249-420-11	CARBON	1. 8K	5%	1/4W	
R419	1-249-425-11		4. 7K		1/4W	. 1		1-249-441-11		100K		1/4W	
R420	1-249-426-11		5. 6K		1/4W			1-249-441-11		100K		1/4W	
DA01	1-249-425-11	CADDON	4 7V	E9/	1 /AW		D401	1240425 14	CADDON	4 7V	E0/	1 /4W	
R421			4. 7K		1/4₩	l		1-249-425-11		4. 7K		1/4₩	
R422	1-249-423-11		3. 3K		1/4W			1-249-441-11		100K		1/4₩	
R423	1-249-419-11		1. 5K		1/4W	1		1-249-433-11		22K	5% 5*/	1/4₩	
R424	1-249-425-11		4. 7K		1/4₩			1-249-429-11		10K	5%	1/4₩	
R425	1-249-421-11	CAKBON	2. 2K	5%	1/4W		R490	1-249-425-11	CAKBON	4. 7K	5%	1/4W	

### MAIN PANEL A

Ref. I	No. Part No.	Descript	ion			<u>Remarks</u>	Ref. N	o. Part No.	Descripti	<u>on</u>			Remarks
R495	1-249-425-11	CARBON	4. 7K	5%	1/4W	ļ		* 4-941-541-01	HOLDER (2-2)	LED			
R502	1-249-428-11	CARBON	8. 2K	5%	1/4W			* 4-942-783-01	HOLDER				
R503	1-249-420-11	CARBON	1. 8K	5%	1/4W								
R504	1-249-429-11	CARBON	10K	5%	1/4W				( CAPACITOR	<b>&gt;</b>			
R505	1-249-429-11	CARBON	10K	5%	1/4W								
							C601	1-126-049-11	ELECT	22uF	20%	25V	
R506	1-249-429-11	CARBON	10K	5%	1/4W		C602	1-126-049-11	ELECT	22uF	20%	25V	
R507	1-249-433-11	CARBON	22K	5%	1/4W		C603	1-136-165-00	FILM	0. 1uF	5%	50V	
R508	1-249-429-11	CARBON	10K	5%	1/4W		C604	1-136-165-00	FILM	0. 1uF	5%	50V	
R509	1-249-429-11	CARBON	10K	5%	1/4W		C605	1-126-049-11	ELECT	22uF	20%	25V	
R510	1-249-441-11	CARBON	100K	5%	1/4W								
							C606	1-126-162-11	ELECT	3. 3uF	20%	50V	
R511	1-249-422-11	CARBON	2. 7K	5%	1/4W		C607	1-126-049-11	ELECT	22uF	20%	25V	
R512	1-249-425-11	CARBON	4. 7K	5%	1/4W		C608	1-126-049-11	ELECT	22uF	20%	25V	
R513	1-249-429-11	CARBON	10K	5%	1/4W		C609	1-106-351-00	MYLAR	2200PF	5%	200V	
R514	1-249-437-11	CARBON	47K	5%	1/4W		C610	1-106-343-00	MYLAR	1000PF	5%	200V	
R515	1-249-425-11	CARBON	4. 7K	5%	1/4₩								
							C613	1-126-049-11	ELECT	22uF	20%	25V	
R516	1-249-429-11	CARBON	10K	5%	1/4W		C701	1-125-486-11	DUBLE LAYERS	0. 22F		5. 5V	
R517	1-249-417-11	CARBON	1K	5%	1/4W		C702	1-126-059-11	ELECT	10uF	20%	50V	
R518	1-249-425-11	CARBON	4. 7K	5%	1/4W		C703	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R519	1-249-429-11	CARBON	10K	5%	1/4₩		C704	1-126-059-11	ELECT	10uF	20%	50V	
R520	1-249-393-11	CARBON	10	5%	1/4W								
							C705	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R521	1-249-417-11	CARBON	1K ,	5%	1/4W		C706	1-126-059-11	ELECT	10uF	20%	50V	
R522	1-249-425-11	CARBON	4. 7K	5%	1/4W		C707	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R523	1-249-425-11	CARBON	4. 7K	5%	1/4W		C708	1-161-494-00	CERAMIC	0. 022uF		25V	
R524	1-249-425-11	CARBON	4. 7K	5%	1/4W		C709	1-161-494-00	CERAMIC	0. 022uF		25V	
R904	1-249-428-11	CARBON	8. 2K	5%	1/4W								
							C712	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R905	1-249-422-11	CARBON	2. 7K	5%	1/4W		C713	1-161-379-00	CERAMIC	0. 01uF	20%	25V	
R906	1-249-437-11	CARBON	47K	5%	1/4₩		C714	1-126-059-11	ELECT	10uF	20%	507	
							C715	1-126-162-11	ELECT	3. 3uF	20%	50V	
		<pre>⟨ SWITCH ⟩</pre>					C716	1-126-162-11	ELECT	3. 3uF	20%	50V	
S1	<u> </u>	SWITCH, PUSH	(AC POW	ER)			C717	1-126-162-11	ELECT	3. 3uF	20%	50V	
							C718	1-126-162-11	ELECT	3. 3uF	20%	50V	
		( VIBRATOR )					C719	1-126-162-11	ELECT	3. 3uF	20%	50V	
							C720	1-126-059-11	ELECT	10uF	20%	50V	
X101	1-579-069-11	VIBRATOR, CR	YSTAL 48.	. 152M	Hz		C721	1-126-059-11	ELECT	10uF	20%	50V	
X301	1-577-614-11	VIBRATOR, CR	YSTAL 16.	. 345M	Hz								
X501	1-579-125-11	VIBRATOR, CE	RAMIC 8M	Hz			C722	1-126-049-11	ELECT	22uF	20%	25V	
							C723	1-126-059-11	ELECT	10uF	20%	50V	
****	******	*********	******	****	*******	**	C724	1-161-494-00	CERAMIC	0. 022uF		25V	
							C801	1-164-159-11	CERAMIC	0. 1uF		50V	
	* A-4345-232-A	PANEL A BOAR	D, COMPLI	ETE									
		*********	******	***					( CONNECTOR )	<b>&gt;</b>			
	* 1-637-045-11	PANEL B BOAR	D				CN551	1-569-400-11	PLUG, CONNEC	TOR 10P			
	* 1-637-939-11	LAMP HOLDER	BOARD				CN701	* 1-568-828-11	SOCKET, CONN	ECTOR 9P			
	* 4-941-534-01	HOLDER (1),	LED				CN702	* 1-580-409-11	SOCKET, CONN	ECTOR 15P			
	* 4-941-535-01						CN751	* 1-568-828-11	SOCKET, CONN	ECTOR 9P.			
	* 4-941-536-01	HOLDER (3),	LED				CN801	<b>*</b> 1-564-506-11	PLUG, CONNEC	TOR 3P			

Note: The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.

### PANEL A

Ref. No	. Part No.		escription	Remarks	Ref. No.	Part No.	, ,,	Description	<u>on</u>			Remarks
		( INAN	SFORMER >				( 10	<i>;</i> }				
CP801	1-239-021-11	FNCAPS	ULATED COMPONENT		IC601	8-759-945-58	ıc	RC4558P				
0.00.	. 200 021 11	L110/11 Q	OLATED COM CILIT		10602	8-759-991-11		XR1091DC	Þ			
		( DIOD	F >		10602	8-759-991-11		XR1091DC				
		( 2.02.	- ,		1C604	8-759-007-19		MC74HC40				
D601	8-719-912-20	DIODE	1SS120		1C605	8-759-007-19		MC74HC40				
D602	8-719-912-20		1SS120		10003	0 733 007 13	10	MC1411040	J111			
D603	8-719-933-36		HZS6B1L		IC701	8-759-323-78	ıc	HD643532	QDDAEE			
D604	8-719-933-36		HZS6B1L		1C702	8-759-502-88		SED1330F				
D605	8-719-912-20		1SS120		10702	8-759-502-08		MSM5165A				
5500	0 110 012 20	DIODE	100,120		10703	8-759-916-21		SN74HC20				
D701	8-719-200-82	DIODE	11ES2		1C704	8-759-945-58		RC4558P	ΑN			
D702	8-719-912-20		1SS120		10103	0 133 343 30	10	11043301				
D703	8-719-912-20		1SS120		10706	8-759-823-29	10	LA5316M				
D704	8-719-912-20		1SS120		10700	0 133 023 23	,,,	LASSIUM				
D705	8-719-912-20		1SS120				/ FI	.UORESCENT	TURE	١		
							\ 11	.OONLOOLIN	TODE .	,		
D706	8-719-912-20	DIODE	1SS120		PL801	1-519-653-11	GAS	DISCHARGE	TURF	FLIMR	ESCENT	
D707	8-719-912-20		1SS120		. 2001		07.0	DIOGINATOL	TODE,	LOOM	LOOLINI	
D708	8-719-912-20	DIODE	1SS120				( TF	RANSISTOR	<b>&gt;</b>			
D709	8-719-912-20	DIODE	1SS120				٠		,			
D710	8-719-912-20	DIODE	1SS120		Q601	8-729-900-36	TRAN	SISTOR	DTC1:	24FS		
					0701	8-729-119-76				175-HF	E	
D711	8-719-912-20	DIODE	1SS120		0702	8-729-119-76				175-HF		
D712	8-719-912-20	DIODE	1SS120		0703	8-729-620-05				603-EF		
D713	8-719-912-20	DIODE	1SS120		0704	8-729-620-05				603-EF		
D717	8-719-912-20	DIODE	1SS120									
D721	8-719-301-38	DIODE	SEL2210S-C (EFFECT)		Q705	8-729-620-05	TRAN	ISISTOR	2SC2	603-EF		
					0706	8-729-620-05	TRAN	IS1STOR		603-EF		
D723	8-719-301-38	DIODE	SEL2210S-C (PERSONAL FILE)		0707	8-729-620-05	TRAN	IS1STOR		603-EF		
D724	8-719-301-38	DIODE	SEL2210S-C (F3)		Q708	8-729-620-05	TRAN	ISISTOR		603-EF		
D725	8-719-301-38	DIODE	SEL2210S-C (MORE 10)		0709	8-729-620-05	TRAN	SISTOR		603-EF		
D726	8-719-301-38	DIODE	SEL2210S-C (CONTROL)									
D727	8-719-301-38	DIODE	SEL2210S-C (F1)		Q710	8-729-620-05	TRAN	SISTOR	2SC2	603-EF		
					0711	8-729-620-05	TRAN	SISTOR		603-EF		
D728	8-719-301-38	DIODE	SEL2210S-C (EFFECT LEVEL)		Q801	8-729-119-76	TRAN	SISTOR	2SA1	175-HF	E	
D729	8-719-301-38	DIODE	SEL2210S-C (CHARACTER EDIT)									
D730	8-719-301-38	DIODE	SEL2210S-C (F2)				⟨ RE	SISTOR >				
D731	8-719-301-38	DIODE	SEL2210S-C (SELECT 10)									
D732	8-719-301-38	DIODE	SEL2210S-C (CONTROL)		R601	1-249-439-11	CARB	ON	68K	5%	1/4W	
					R602	1-249-438-11	CARB	ON	56K	5%	1/4₩	
D801	8-719-304-37	DIODE	SEL4414E-C		R603	1-249-423-11	CARB	ON	3. 3K	5%	1/4W	
D802	8-719-304-37	DIODE	SEL4414E-C		R604	1-247-899-11	CARB	ON	680K	5%	1/4₩	
D803	8-719-304-37	DIODE	SEL4414E-C		R605	1-247-903-00	CARB	ON	1 <b>M</b>	5%	1/4W	
D804	8-719-304-37	DIODE	SEL4414E-C									
D805	8-719-304-37	DIODE	SEL4414E-C		R606	1-249-421-11	CARB	ON	2. 2K	5%	1/4W	
					R607	1-249-441-11	CARB	ON	100K	5%	1/4W	
D806	8-719-304-37		SEL4414E-C		R608	1-249-425-11	CARB	ON	4. 7K	5%	1/4₩	
D807	8-719-304-37		SEL4414E-C		R609	1-249-425-11	CARB	ON	4. 7K	5%	1/4W	
D808	8-719-304-37	DIODE	SEL4414E-C	ł	R610	1-249-419-11	CARB	ON	1. 5K	5%	1/4W	

### PANEL A

Ref. No.	Part No.	Desc	cription			Remarks	Ref. No.	Part No.	<u>De</u>	scription	<u>1</u>			<u>Remarks</u>
R611	1-249-429-11	CARBON	10K	5%	1/4W		R804	1-249-409-11	CARBON		220	5%	1/4W	
R612	1-249-433-11	CARBON	22K	5%	1/4W		R805	1-249-409-11	CARBON		220	5%	1/4W	
R614	1-249-429-11	CARBON	10K	5%	1/4W									
R615	1-249-420-11	CARBON	1. 8K	5%	1/4W				< VARIA	BLE RES	ISTOR	>		
R616	1-249-412-11	CARBON	390	5%	1/4W									
							RV701	1-238-601-11	RES, AD	J, CARB	ON 221	K		
R617	1-249-412-11		390	5%	1/4₩									
R618	1-249-412-11		390	5%	1/4W				< SWITC	H >				
R619	1-249-412-11		390	5%	1/4W									
R701	1-249-425-11		4. 7K		1/4W		S700	1-554-303-21						
R702	1-249-433-11	CARBON	22K	5%	1/4W		S701	1-554-303-21				MMER)		
2700	1 040 400 44	AADDOU		-41	4 4 4 1111		S702	1-554-303-21						
R703	1-249-433-11		22K	5%	1/4W		S703	1-554-303-21				MO)		
R704	1-249-422-11		2. 7K		1/4W		S704	1-554-303-21	SWITCH,	TACTIL	= (+)			
R705	1-249-422-11		2. 7K		1/4W		6705	1 554 000 01	CWITOII	TANTIL	- /			
R706 R707	1-249-402-11 1-249-402-11		56 56	5% ==v	1/4W		S705	1-554-303-21					1005)	
UIVI	1-249-402-11	CANDUN	56	5%	1/4W		S710	1-554-303-21	•		•		IUDE)	
R708	1-249-422-11	CARRON	2. 7K	5%	1/4W		S711 S712	1-554-303-21 1-554-303-21						
R709	1-249-422-11		2. 7K 2. 7K		1/4W			1-554-303-21			-			
R710	1-249-422-11		2. 7K		1/4# 1/4₩		3/13	1-004-303-21	SHIIGH,	INCLIE	- (	, ,		
R711	1-249-422-11		2. 7K		1/4W		S714	1-554-303-21	SWITCH	TACTILI	: / A	. 1		
R712	1-249-422-11		2. 7K		1/4W		S721	1-554-303-21				7 /		
		orano ora	2. 110	0/0	17 411		S722	1-554-303-21				7 )		
R713	1-249-422-11	CARBON	2. 7K	5%	1/4W			1-554-303-21					R FDIT)	
R714	1-249-422-11		2. 7K		1/4W		S731	1-554-303-21					III LDIII/	
R715	1-249-422-11		2. 7K		1/4W						- (.,			
R716	1-249-433-11	CARBON	22K	5%	1/4W		S732	1-554-303-21	SWITCH.	TACTILI	(FL	AT)		
R717	1-249-433-11	CARBON	22K	5%	1/4W		S733	1-554-303-21						
							S734	1-554-303-21						
R718	1-249-433-11	CARBON	22K	5%	1/4W		S735	1-554-303-21	SWITCH,	TACTILI	(SUE	3 MENU	1)	
R719	1-249-433-11	CARBON	22K	5%	1/4W		S740	1-554-303-21	SWITCH,	TACTIL	E (LIN	NEAR)		
R720	1-249-433-11	CARBON	22K	5%	1/4W									
R721	1-249-433-11	CARBON	22K	5%	1/4W		S741	1-554-303-21	SWITCH,	TACTILI	(3)			
R727	1-249-425-11	CARBON	4. 7K	5%	1/4W		S742	1-554-303-21	SWITCH,	TACTILI	(SLC	OPE)		
							S743	1-554-303-21	SWITCH,	TACTILI	(9)			
R728	1-249-441-11		100K		1/4W		S744	1-554-303-21	SWITCH,	TACTIL	(4)			
R729	1-249-425-11		4. 7K		1/4W		S745	1-554-303-21	SWITCH,	TACTILI	: (MEN	MORY)		
R730	1-249-425-11		4. 7K		1/4W									
R731	1-249-417-11		1K	5%	1/4W			1-554-303-21				PAND)		
R732	1-249-417-11	CARBON	1K	5%	1/4W			1-554-303-21						
D700	1 040 400 44	0.455011	2011					1-554-303-21				)		
R733	1-249-433-11		22K	5%	1/4W			1-554-303-21						
R734 R735	1-249-433-11 1-249-433-11			5%	1/4₩		S754	1-554-303-21	SWITCH,	IACTILE	: (3)			
R736				5% 5*/	1/4W		C7EE	1 554 202 21	CWITOII	TANTIL	· /DED	CONT	ru ė	
R737	1-249-433-11 1-249-429-11			5% 5%	1/4W 1/4W			1-554-303-21 1-554-303-21						
mor	. 473-463-11	VANDUN	IVA	J/0	ι/4π			1-554-303-21	•			#FバE22	7	
R738	1-249-425-11	CARBON	4. 7K	5%	1/4W			1-554-303-21						
R739	1-249-441-11		100K		1/4# 1/4₩			1-554-303-21						
R801	1-249-437-11			5%	1/4# 1/4₩		5105	: JJ4 JUJ-ZI	on Holl,	IAVIILE	. (1)			
	1-249-426-11		5. 6K		1/4W									
R803	1-249-421-11		2. 2K		1/4W									
		J. 11.15VII	L. LI	5,5	17 70	1								

### PANEL A

Ref. N	o. Part No.	Description	<u>F</u>	Remarks	Ref. No.	Part No.	Description	Remarks
S764	1-554-303-21	SWITCH, TACTILE	(2)				ACCESSORY & PACKING	MATERIAL
S765	1-554-303-21	SWITCH, TACTILE	(MORE 10)				********	*****
S770	1-554-303-21	SWITCH, TACTILE	(CONTROL)	:				
S771	1-554-303-21	SWITCH, TACTILE	(CONTROL)			1-558-271-11	CORD, CONNECTION	(AEP, Germany, Italian)
S772	1-554-303-21	SWITCH, TACTILE	(F1)			1-559-533-11	CORD, CONNECTION	(AEP, Germany, Italian)
						1-574-264-11	CORD, LIGHT PLUG	(AEP, Germany, Italian)
S773	1-554-303-21	SWITCH, TACTILE	(6)			3-701-630-00	BAG, POLYETHYLENE	(Germany, Italian)
S774	1-554-303-21	SWITCH, TACTILE	(1)			3-753-428-11	MANUAL, INSTRUCTION	(English, French,
S775	1-554-303-21	SWITCH, TACTILE	(SELECT 10)	;			Spar	nish, Portuguese) (AEP)
				:				
		<pre>⟨ VIBRATOR ⟩</pre>		1		3-753-428-41	MANUAL, INSTRUCTION	(Germany, Dutch,
							Swedish, Italian)	(AEP, Germany, Italian)
X701	1-577-364-11	VIBRATOR, CERAMI	C 12MHz		*	4-941-928-01	CUSHION (FRONT)	(UK, E, Saudi Arabia)
X702	1-579-175-11	VIBRATOR, CERAMI	C 10MHz		*	4-941-929-01	CUSHION (REAR)	(UK, E, Saudi Arabia)
					*	4-944-163-01	CUSHION	(AEP, Germany, Italian)
*****	******	*******	******		*	4-946-091-01	INDIVIDUAL CARTON	(AEP, Germany, Italian)
		MISCELLANEOUS			******		********	*****
		*******			*******	******	******	******
		***********					HARDWARE LI	ST
5	1-575-216-11	WIRE, FLAT TYPE	(9 CORE)	ĺ			*************	<b>**</b> **
		OUTLET, AC (UK)	,,					
		OUTLET, AC (AEP,	Germany, Italian,		# 1	7-685-134-19	SCREW +BTP 2. 6X8 T	YPE2 N-S
	<del></del>		Saudi Arabia)		# 2		SCREW +BVTP 3X8 TY	
	1-526-882-00	OUTLET, AC (E)						
CNP1	<b> 1-575-651-11</b>	CORD, POWER (AEF	,Germany,Italian)					
	<u></u> 1-575-654-11	CORD, POWER (Sau	di Arabia)					
	1-575-656-11	CORD, POWER (E)		i				
	<b>1-575-669-21</b>	CORD, POWER (UK)						
F101	1-532-259-00 €	FUSE, TIME-LAG	(AEP, UK, Germany, Italian)					
			(1. 5A)					
LCD901	1-809-202-11	DISPLAY PANEL, L	IQUID CRYSTAL	i				
SV701	1-570-046-21 €	SWITCH, VOLTAGE	CHANGE (E, Saudi Arabia)					
T101	<u></u> 1-450-596-11	TRANSFORMER, POW	/ER (AEP,Germany,Italian)					
	<u> </u>	TRANSFORMER, POW	ER (UK)					
	A - 1=0 === ::							
	1-450-598-11	TRANSFORMER, POW	ER (E, Saudi Arabia)					
*****								
*****	***********	*************	******	l				

Note: The components identified by mark  $\bigwedge$  or dotted line with mark  $\bigwedge$  are critical for safety. Replace only with part number specified.